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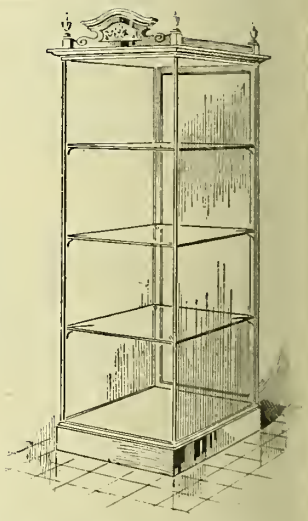

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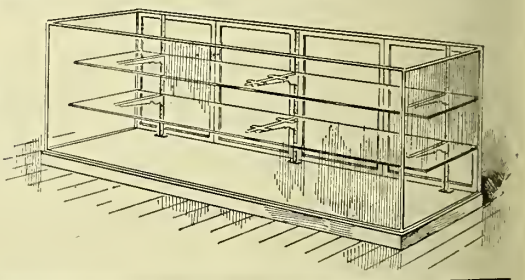

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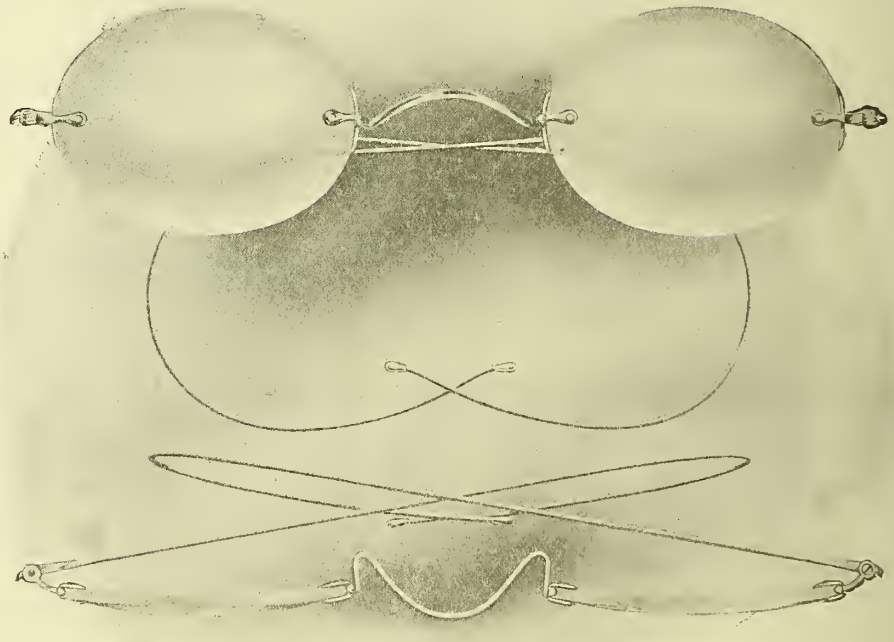

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Glasgow School of Pha
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Maw's Page.

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M

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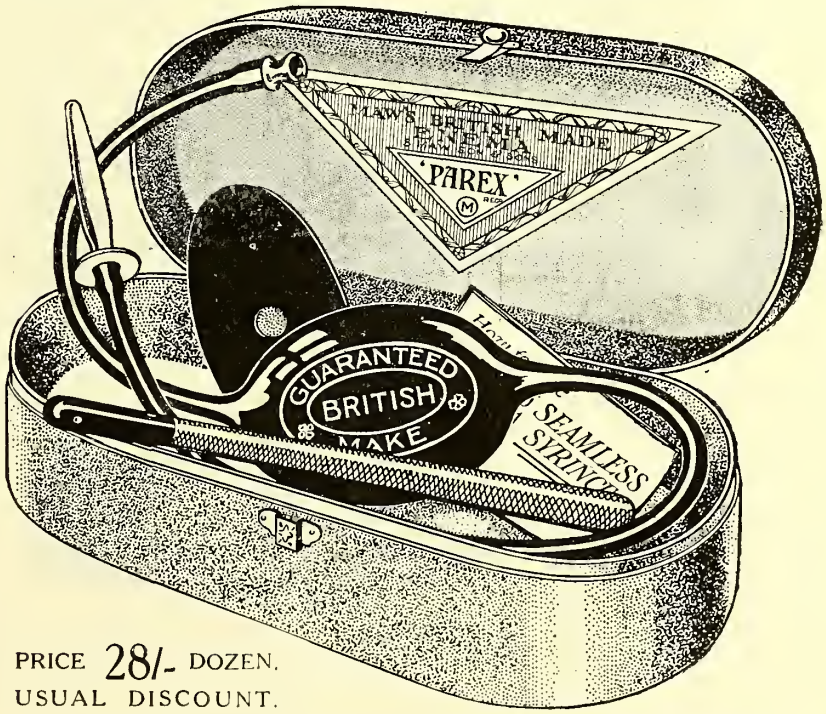

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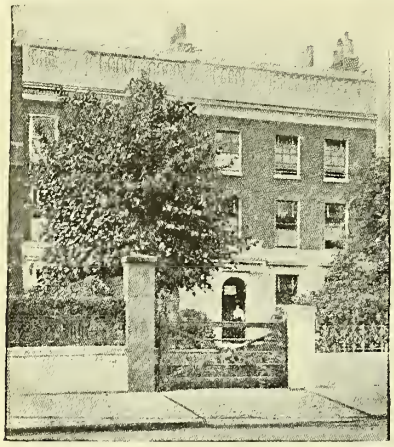
The Course for the July Examination will commence on April 1.

January Pass List, 23. Twelve passed at their FIRST ATTEMPT, after a Three Months' Course in Colege.

Anderson, H. W.	Scarborough	Dunbar, W. C.	Bolton	Leslie, F.	Catford	Usher, T. G.	Lon
Bennett, A. T.	Reading	Edsforth, J. H.	Clayton-le-Moors	McLachlan, D. G. R.	Wimbledon	Ward, H. B.	Shef
Bolton, R. W.	Kibworth	Ford, E.	Folkestone	Moore, W. R.	Sydenham	Williams, T. M.	Burn
Colleshaw, C. W.	Wandsworth	Hardy, M.	London	Pedroza, J. M.	London	Wilson, —	Lon
Croft, L. K.	Scarborough	Hopkins, S. N.	Leighton Buzzard	Smith, C.	London	Zimmerman, W. F.	Sout
Dawson, L. S. M.	Sheffield	Hosking, N. W.	Natal	Swanston, W. E.	Bradford		



The following is the result of the College Competition held in December last:—

CHEMISTRY.
SILVER MEDAL—MR. H. W. ANDERSON.

BOTANY.
SILVER MEDALS { MR. A. T. BENNETT. MR. H. B. WARD. MR. W. H. KENNING.

MATERIA MEDICA.
SILVER MEDAL—MR. A. T. BENNETT.

PHARMACY.
SILVER MEDAL—MR. A. T. BENNETT.

DISPENSING.
SILVER MEDAL—MR. W. E. SWANSTON.

CERTIFICATES.
25 Students were successful in obtaining certificates on the various subjects.

QUESTIONS SET IN THE COLLEGE EXAMINATION, DECEMBER 10, 1913.

CHEMISTRY.

1. How is lead obtained from galena, and how can the several oxides of lead be prepared from the metal?
2. Supposing a new element to be discovered, describe what steps would have to be taken in order to determine its atomic weight?
3. Describe the solution of hydrogen peroxide as it occurs in commerce, and give the process of manufacture. How may its strength be determined?
4. How is calcium hypophosphite prepared? Give the equation. Why is the gaseous product of reaction spontaneously inflammable?
5. Distinguish between primary, secondary, and tertiary alcohols.
6. Write down all the derivatives of benzene you know, and give the formula of each.

MATERIA MEDICA.

1. What is meant by the term Balsam? Explain the constitution of a true balsam, and give instances of such.
2. Explain fully the production and constitution of essential oil of almonds, and give tests for its purity.
3. What is Jalapin? How is it prepared? In what way does it differ from the Resin of Scammony.
4. Describe the B.P. process for the preparation of tannic acid. State what chemical relation it bears to gallic acid. How may it be distinguished?
5. Identify the specimens marked A, B, C. Give the botanical source and natural order of each.

BOTANY.

1. Describe the changes which may take place in cell membran after the cell has reached its maximum dimensions.
2. What is chlorophyll? Give some account of its manner of occ in plants, its properties and functions, and the condition necess for the discharge of the latter.
3. Give a description of the organs found in the periderm, rre-sponding to the stomata of the epidermis.
4. In what important feature do algæ differ from fungi? Give hort account of the life history of *Claviceps purpurea*.
5. Give the essential characters of the natural orders *Solanac* and *Leguminosæ* and name any indigenous genera of each.
6. Describe the fruits marked 1, 2, 3, 4.

PHARMACY.

1. Give the composition of Mist. Ferri Co., Dec. Aloes Co., and onf. Sulphur.
2. Describe the following processes:— Levigation, Elutr on, Fractional Distillation, Destructive Distillation, and Steam Distill n.
3. How are the following extracts prepared:—Opium, Strophan us, Jalap, and Ergot?
4. Give the maximum dose of each of the following:—Salicylic id, Benzoic Acid, Phenol, Elaterium, Sodium Arsenate, Morphia, Co ne, Menthol, Phosphorus, $K_2Mn_2O_8$ & $K_2Cr_2O_7$.

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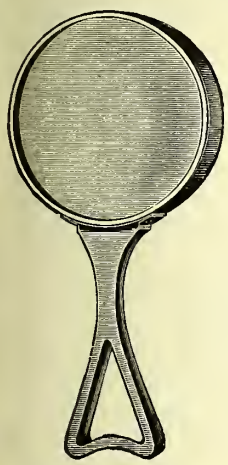

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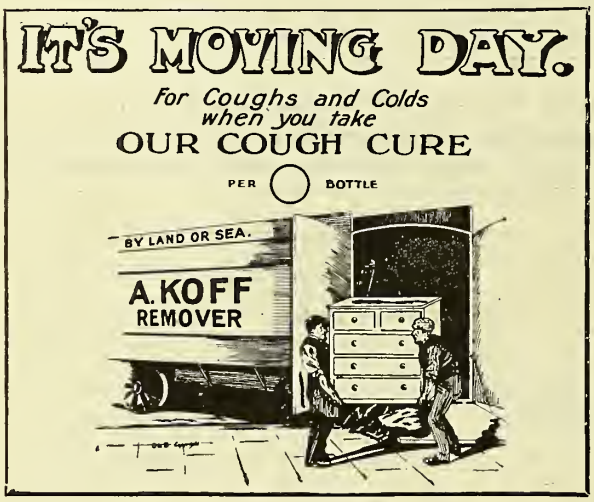

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SIX ASSORTED DESIGNS FOR **5/-**

SUTTLEY & SILVERLOCK, LTD.

— Chemists' Advertising Specialists —

BLACKFRIARS, LONDON, S.E.

ZEAL'S PATENT

CLINICAL THERMOMETE

The "REPELLO"

Requires no shaking down. *Guaranteed Accur*

A 30-Second Pushed back in an instant.

Send for list, post free.

Good Selling Lines for Chemists.

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Wholesale Manufacturer of

CLINICAL THERMOMETERS,

A SELECTION OF 50 KINDS.

Established 1888. Telephone No. 12436 Ce al.

Please Try Our DISPENSING BOTTLES & PHILS.

We send six gross assorted or otherwise, carriage paid, to a address in the United Kingdom. Smaller quantities not carriage paid.

REDUCED PRICES.

Clear Blue Tinted.—Good Quality.

3 & 4	6 & 8	12	16 ozs. Plain or graduated, round ges
8/-	9/-	13/-	18/- per gross.

Clear Blue Tinted. Best Quality. QUININE.

3 & 4	6 & 8	12	16 ozs. Plain or graduated, round ges
10/-	11/-	16/-	20/- per gross.

CHEAP BOTTLES for Dispensing.

3 & 4	6	8 ozs. Plain or graduated, round edges.
7/-	8/3	8/6 per gross.

WHITE PHIALS—GOOD QUALITY.

½	1	1½	2 ozs. Plain or teaspoons.
4/-	4/6	4/9	5/3 per gross.

I. ISAACS & CO.,

106 MIDLAND ROAD, ST. PANCRAS, LONDON, N.,

or ISLINGTON BOTTLE COMPANY, 7 New Inn Yard, Tottenham Court Road, Lond

Orders sent to either establishment have attention.

Established 100 Years.

The Quick-Selling Cough Remedy

Pinex

Unsold Bottles are returnable at any time.

TERMS:—Advertised Price 2/9 per bottle. Minimum P.A.T.A Retail Price, 2/6 per bottle. Price to you, 24/- per doz

THE PINEX CO., LTD.,

36-38 UPPER THAMES ST., LONDON, E.C.

Telegrams: "Pinexine, Cent. London." *Telephone: 2208 City.*

PARNALL & SONS

BRISTOL
44/45 Broadmead, Narrow Wine Street, and Fairfax Street.

MANCHESTER
Cleveland Buildings, 94 Market Street.
SHEFFIELD
17-19 Waingate.

LONDON
Mansion House Chambers, 11 Queen Victoria Street, and 20 Bucklersbury.

AND IN MANY OTHER TOWNS.

SHOP MODERNISERS

1820

1914

Shop Front and Interior Erected at Stone.

NEARLY A CENTURY OF EXPERIENCE

In all our designs we give special attention to the class of business of our Customer and to the architectural surroundings. The Chemist's Shop Front can be treated in many attractive styles, the one shown above being a good example of modern work. We undertake to remodel premises to their best advantage.

ARTISTIC DESIGNS. EXPERTS VISIT ALL PARTS.
EXPERT PLANNING. INQUIRIES INVITED.

SHOP FRONTS and FITTINGS

"OVALTINE"

Each cup of "Ovaltine" contains as much nourishment as three eggs (1 cup of "Ovaltine" = 205 Calories, 1 egg = 68 Calories) and its reconstructive and vitalising elements appear in the circulation promptly, totally and without digestive strain. To this is due its unrivalled recuperative and stimulating properties. Medical men are ordering "Ovaltine" freely, and the public demand is a repeating one.

Let us send you our special bonus display terms, which yield you 52 % profit.

A. WANDER, Ltd., Leonard St., E.C., & King's Langley (Herts).

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PAYS YOU WELL

PURE EGG LECITHIN

LECITHIN EX OVO

LECITHIN-ALBUMEN POWDER

For the manufacture of Tablets, Chemical Foods, Nerve Tonics, etc.

LECITHIN FOOD PREPARATIONS

Prepared with 2½%, 5%, or 10% of PURE Lecithin in bulk, or in boxes or cartons.

LECITHIN TABLETS, DRAGEES, PILLS or CHOCOLATE.

Prepared by Chemical Works "VICTORIA," Berlin, S.W.

Sole Agent for U.K.:

HUGO LORENZ, 7 & 8 Idol Lane, London, E.C.

Write for Pamphlets. Tel. Nos.: Avenue 5945; Central 12641.

TRADE MARK APPLIED FOR.

ST. VINCENT ARROWROOT

GUARANTEED ABSOLUTELY PURE and of unexceptionable quality

ITS PURITY SPECIALLY FITS IT FOR INVALIDS

Vide Public Analyst's report, printed on each packet

Protected Retail Price, **6d.** and **1/-** net, in ½-lb. and 1 lb. packets.
Trade Price, **4/3** and **8/6** per doz., Carriage Paid.

Obtainable Wholesale from

GEO. HARKER & CO., LTD.

101/3 Upper Thames Street, E.C.

PRICES PROTECTED.

Dr. Allinson's Food Preparations.

Food for Babies, Prepared Barley, Brunak, Power, N-F. Cocoa, Biscuits, Soup, Nutbutter (Walnut Brand), Wholemeal, &c.

NOTICE TO THE TRADE.

We issue a list of WHOLESALE HOUSES who keep above in stock; if for *any* reason you have difficulty in obtaining supplies, please send postcard direct to us, and a list will be sent to you by return. See trade mark on all our goods: "T. R. ALLINSON." ***None Genuine Without.***

NATURAL FOOD COMPANY, LIMITED,
305 Cambridge Rd., Bethnal Green, LONDON, E.

Handbills, Booklets, Showcards, &c., Free.

N.B.—Our goods are to be sold only at prices stated upon the Price List we issue to the trade.

HORLICK'S MALTED MILK Lunch Tablets

MALTED BARLEY, WHEAT & MILK in TABLET Form.

In Glass Pocket Flasks.

Costs the Trade 9/- for Single Dozens.

ESPECIALLY CONVENIENT FOR TRAVELLERS
:: SPORTSMEN, ATHLETES AND CYCLISTS. ::

Write for particulars to—

HORLICK'S MALTED MILK CO.
SLOUGH, BUCKS., England.

A NEW SIZE TO SELL FOR ONE SHILLING.

One Dozen Flasks for Counter Display.

Lofthouse & Saltmer, Ltd.

—— Wholesale and Export Drug ——
Merchants, Manufacturing Chemists,

HULL,

invite the attention of the Trade to the following well-tried preparations, which carry a big P.A.T.A. retail protected profit, and are well-known and valued by the public in many parts of the country.

	PROTECTED RETAIL PRICE	DOZ. NET.
Losall's Asthma Remedy. Very effective Remedy for Asthma, Bronchitis, &c.	10½d.	7/6
Losall's Salt. The popular Remedy for Eczema, Gout, Rheumatism, and Biliousness. Well advertised.	6d.	3/6
	1/-	7/-
	1/6	10/6
Losall's Compound Sulphur Soap. A valuable emollient medicated Skin Soap, especially for use in Eczema cases.	1/-	8/-
Losall's BALL-ROOM Floor Polish. Produces a smooth surface beneath the dancers' feet. No dust.	1/-	7/-
Malted Food. Usual 1/- size, lever lid tins, name and address free on 3 dozen. Special design label, with name and address on gross orders, if desired.	—	4/6

London Agents: F. NEWBERY & SONS, Ltd.

50% Profit

Verox Beef-tea Cubes cost 8/- per gross, carriage paid. The minimum selling price is 1d. each = 12/- per gross. Your profit is 4/- = 50% on outlay.

Each cube is wrapped in grease-proof paper and a special carton. They are put up in tin boxes containing six, to sell at 6d., or singly. The public like them because they are real beef—not salt cubes.

SPECIAL OFFER.—On receipt of P.O. value 2/-, we will send you ¼ gross carriage pa d. END NOW.

[19. A.J S.]

TOOTH'S (Est. 1865)
23 Leman St., London, E.

SAL HEPATICA

PUT UP FOR EXPORT.

Small	size,	3 oz.	bottle, in case.
Medium	„	7 „	„ „
Large	„	16 „	„ „

OBTAINABLE IN LONDON FROM

Thos. Christy & Co., 4-12 Old Swan Lane, Upper Thames Street, E.C.

The American Drug Stores, 24 Orange Street, Haymarket, London, W.C.

Burgoyne, Burbidges & Co., 16 Coleman Street, E.C.

F. Newbery & Sons, Ltd., 27 Charterhouse Square, E.C.

Roberts & Co., 76 New Bond Street, W

CHUIT NAEF & CO.

M. NAEF & CO.

(Successors)

GENEVA, Switzerland.

WORLD - RENOWNED PERFUMERS are now using our leading Specialties in

Synthetic & Aromatic Chemicals

We cannot improve our qualities, *but* **You** can blend our ingredients and produce exquisite Perfumes.

Up-to-date Novelties for modern floral odours are

Cyclosia . . .	As indispensable as Jonone in modern perfume laboratories.
Lilafleur . . .	The most delightful and refreshing Lilac odours ever produced.
Olnicera . . .	A perfect base for Honeysuckle preparations.
Rose Orient . .	The best substitute existing for the costly Bulgarian Otto of Roses.
Rose Provencale	Yields the typical odour of the natural Rose Oils as produced in the South of France.

Samples and Price Lists sent on application.

AGENTS:

E. N. FRANKENSTEIN & CO., Ropemaker Street, Finsbury, LONDON, E.C.
A. BEROU - - - 11 Rue du Perche, PARIS 3e Arrt.
UNGERER & CO. (Inc.) - - 273 Pearl Street, NEW YORK.
THE MEIJI TRADING CO. - - TOKYO & OSAKA, JAPAN.

WILLIAM LASSOI'S

Hair Elixi

has a 30 years' reputation a

Unique Hair Produce

All wholesale houses supply

Chemists & Druggi s

should apply for

COLOURED ART PRI

a great help in pushing its

Post free. Write to-day t

Sole Consignee:

M. LINDNER,

FARRINGDON AVENUE, LONDON,

Corks for Chemists

NATIONAL INSURANCE CORK.

6 & 8 oz., 1 in. long, at 4½d. per gross.
30 gross bag post free for 11/-

Free sample sent on application.

N. W. MITCHELL & SONS, Ltd.,
"Bouchon" Works,
Limehouse, London, E.

For the Season!

PINE TABLETS

IN MANY STYLES.

WE are now manufacturing these in very large quantities, and shall be pleased to quote fine prices to large buyers.

Attractive advertising matter with each order.

We also offer every description of

COMPRESSED TABLETS

as FORMALIN (Plain or Flavoured), SACCHARINE, ACID ACETYL SALICYLIC, PHENACETIN & CAFFEIN, HYD. c CRETA, &c. &c., both packed and in bulk.

PLEASE WRITE FOR SAMPLES & PRICES.

BROOK, PARKER & CO. LTD.,

Manufacturing Chemists,

Nelson Street, BRADFORD.

DRESSING COMBS for Chemists' Sale.

The Public look to Chemists to supply good combs—if a common one is by chance required it is purchased elsewhere.

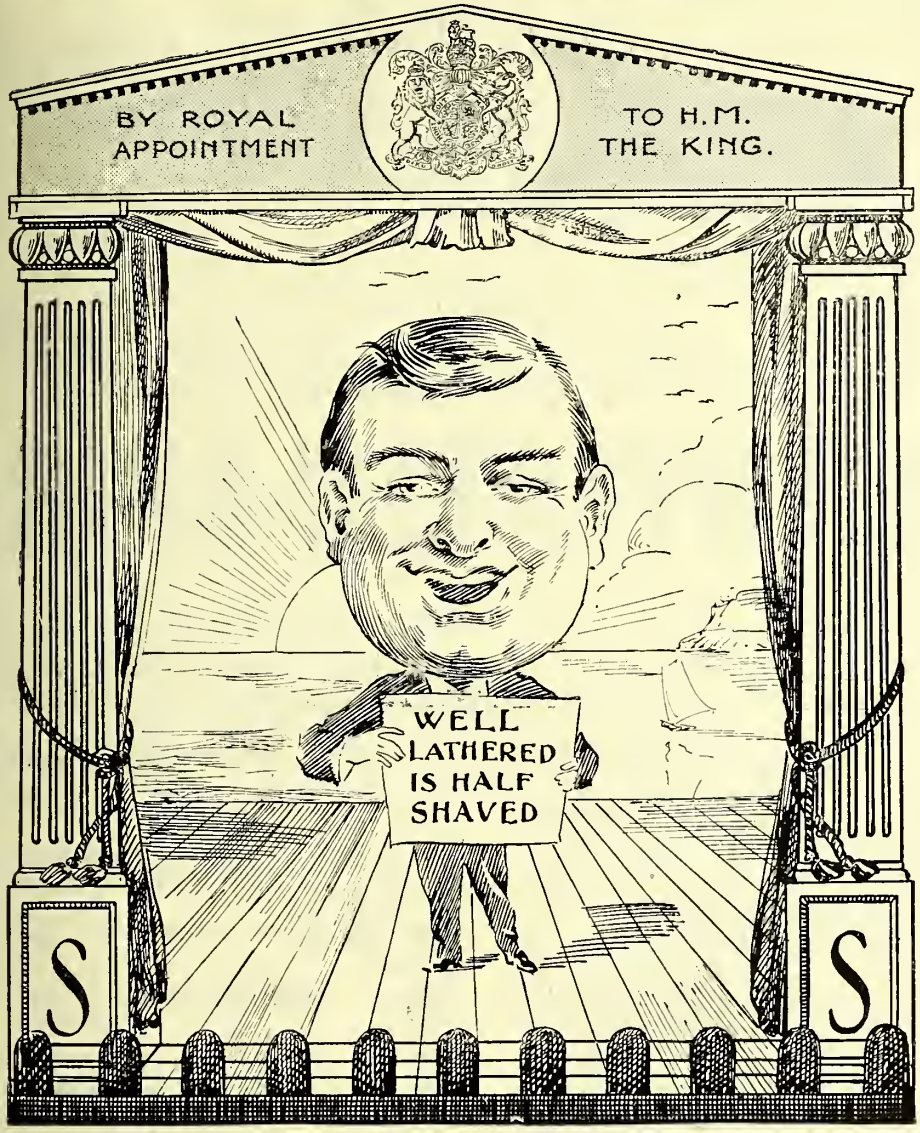
Just a few we take at random are worth sampling:

per do

1/- No. XX. Buff Horn, 8 in., very strong, ... 7/
8d. or super **6d.**, White Celluloid, 8 in. ... 4/
6d. Super Buff or Clear Horn Dressing, No. 1. 3
6d. Cheaper ditto 3/

We have, of course, **1/6, 2/-, 2/6** and **3/-** Comb if really high-class goods are required.

F. Newbery & Sons, Ltd.
27 Charterhouse Sq., LONDON, E.C



WHAT a difference a comfortable shave makes to a man. He looks upon all things with brighter eyes, and greets his friends with a cheery smile.

Life is a happy song and the world a pleasant place to the man who has just enjoyed the luxury of a "SOLACE" shave. The flat, silky, lasting lather is so soothing to the skin and so helpful to the razor. Well lathered is half shaved, and you can always be sure of a delicious creamy lather with "SOLACE," the ANTISEPTIC SOLIDIFIED CREAM SHAVING STICK. Price **9d.**

Do you stock it? If not, why not? Everybody's doing it! That is, everybody who likes to stock a good line that shows a good profit and that gives satisfaction.

SOLE MAKERS—

Edward Cook & Co., Ltd. *Soapmakers by Appointment to H.M. the King,*

Bow, London, E.

For Best Quality & Terms

PARAFFINUM LIQUIDUM

write to

Schliemann's Oil & Ceresine Co., Ltd.,

Tel. No.: 5411 Avenue.
Tel. Add.: "Mannschlie."

London House, 3 New London St., E.C.

METHYLATED SPIRIT

Buy from one of the Oldest Houses in the Trade.

Write for Prices. **ESTABLISHED 1794.**

SAMUEL THORNLEY, LTD., BIRMINGHAM

NO GLOSS

NO POLISH

In bottles, 6d. each, in separate neat cartons, with suitable brush.
These Dyes are a distinct invention, dying the straw without an objectionable varnished appearance, and producing the effect of new goods.
On the P.A.T.A.

Write for terms, patterns, also leaflet of testimonials:

WHITAKER & CO. COLOUR WORKS, KENDAL, ENG.

London Depot: 60-62 CLERKENWELL ROAD, E.C.

SPECIALISTS IN VARNISHES, STAINS, DYES, &c. EST. 1878.

Telegraphic Address: "Dullette Kendal." Telephone: No. 214.

3 POINTS

- **QUALITY**
- **LOW PRICE**
- **QUICK DESPATCH**

A GOOD COMBINATION.

Why not avail yourself of the advantage?

Place your future ORDERS FOR

PRINTING

WITH

HARRISON & WAIDE,

KIRKSTALL ROAD,

LEEDS.

Samples sent on application.

IMMEDIATE

WET

DRY

The VISCOSE DEVELOPMENT Co., Ltd.,

Proprietors of the

'SEMREH' SELF-FIXING BOTTLE CAPS

and the

'SEMREH' SELF-FIXING HALF-CAPS,

beg to announce

that, in consequence of increased manufacturing facilities, they are now able to give immediate delivery of these well-known bottle cappings.

Illustrated Booklets of either or both sent on request to

PEMBROKE ROAD, BROMLEY, KENT.

WET

DRY

DELIVERY

DIAMOND MILLS PAPER CO.
44 MURRAY STREET, NEW YORK, U.S.A.

BROMO

TOILET PAPER

This well-known brand has been made and sold by us for over 40 years. We hereby call to the attention of our old or prospective customers that the GENUINE article is made ONLY by us, and our name will be found thereon as below.

DIAMOND MILLS PAPER CO.
44 MURRAY STREET, NEW YORK, U.S.A.

SUPPORT THOSE WHO SUPPORT YOU:

Distributors are therefore asked to support us in preference to NON-PROTECTED MAKES.

40% MINIMUM PROFIT

RECOMMEND

JOHN BOND'S "CRYSTAL PALACE" MARKING INK.

FIXED SELLING PRICES.

With or without heating, whichever kind is preferred.

Please specify when ordering.

As supplied to the Royal Households, and awarded forty-five Gold Medals, etc.

"THE ANTI-CUTTING RECORD" says:—"We are strongly of opinion that **John Bond's 'Crystal Palace' Marking Ink** should not only be kept in stock, but, in common fairness to the Proprietor, distributors may justly give this well-known line all the push and display in their power."

Depot for HENRY BOND'S Original Indelible "Oak Tree" Heat or Non-Heat MARKING INK **75 Southgate Road, London, N.**

A. MILLAR & CO., Ltd., DUBLIN

PURE ORANGE WINE

VINUM AURANTII, B.P.) Prepared in strict accordance with the Formula of the British Pharmacopœia. (Wholesale only.)

London Agent: JAMES STIRTON, 43 GREAT TOWER STREET, E.C.

"SOLAZZI" LIQUORICE JUICE

THE CHEMISTS' BRAND.

'The Lancet' says: 'Of Standard Purity'

Recommended also by *The British Medical Journal, Health, The Chemist and Druggist, Food and Sanitation.*

Ask for SHOWCARDS and HANDBILLS. To be obtained of all Wholesale Houses.

CUSHION SHAPED

LIQUORICE and MENTHOL PELLETS.

THE ORIGINAL AND THE BEST.

3s. 6d. per lb. Also in Tins at 2/- and 4/- doz.

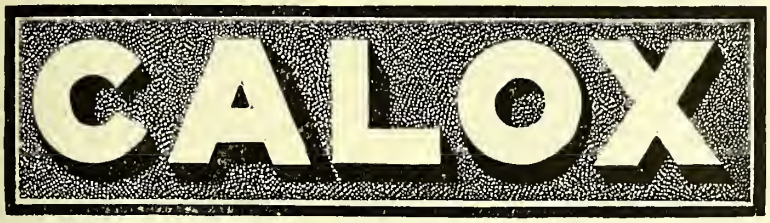
ERNEST JACKSON & CO., Telegrams: "Jackson Crediton."

Crediton & Plantain Place, Crosby Row, Borough, S.E.

The number of dentifrices is myriad, their names are legion.

But—

in principle and in efficiency there is but one,



THE OXYGEN TOOTH POWDER.

Its principle is the evolution of oxygen.

Its efficiency as a cleanser of the teeth is due to the oxygen which it generates when used.

Not only antiseptic, but deodorant, two desirable properties of a tooth powder. Its oxidizing and deodorizing power was obvious in our experiments.—THE LANCET, *London, Eng.*

Possesses not only strong antiseptic, but deodorizing and oxidizing properties, as the result of which the teeth, after a few days' use of CALOX acquire a pearly whiteness.—THE CHEMIST AND DRUGGIST, *London.*

CALOX is entirely different from other dentifrices. Its introduction marks a decided advance in the scientific development of a dentifrice, a fact which the dental profession the world over has been quick to recognise. Chemists should interest themselves in Calox because only a chemist can explain the peculiar virtues and value of an oxygen-producing dentifrice.

Price to the trade, 9/6 per dozen on the P.A.T.A plan.

McKESSON & ROBBINS, New York, U.S.A. *Manufacturers.*

BRITISH DEPOT— G. B. KENT & SONS, Ltd., 75 Farringdon Road, London, E.C.

TRY IT IN YOUR BATH

SCRUBB'S AMMONIA

BY APPOINTMENT TO H.M. THE KING.

MARVELLOUS PREPARATION

Refreshing as a Turkish Bath. Invaluable for Toilet Purposes.
Splendid Cleansing Preparation for the Hair. Removes Stains and Grease Spots from Clothing.
Allays the Irritation caused by Mosquito Bites. Invigorating in Hot Climates.
Restores the Colour to Carpets. Cleans Plate and Jewellery. Softens Hard Water.

Of all Chemists, Etc. Price 1s. per Bottle.

SCRUBB & CO., LTD., GUILDFORD STREET, LONDON, S.E.

A New and Profitable Line.

CALVERT'S

CARBOLISED

Shaving Soap

Gives a lather most effective for its purpose—to secure a comfortable and hygienic shave. Readily rinsed from a safety razor.

Retail at face value 10d. a stick.

F. C. CALVERT & CO., Manchester, Eng.

Manufacturers of Calvert's Carbolic Tooth Powder, Soaps, Disinfectants, etc.

SUPPORT HOME INDUSTRIES.

Estd. 1777.

Incd. 1900.

BUY KENT'S BRUSHES.

Winter Issue, 1914, pp. 76, 77.
Diary, 1914, pp. 120, 121.

NOW

is the time to make WINDOW DISPLAYS of "Erasmic" Specialities.

The series of Ideal "Erasmic" Girl Advertisments, by famous artists now running in the press are causing a huge sensation. School-masters are instructing their pupils to copy the heads during the drawing lessons Everyone is interested.

Copies of the heads as they appear in the press, may be had on art paper, free on application. They make High Class Window Bills. Something out of the common. They immediately attract the "passer by's attention which is the aim of all Window Decoration and Displays.

For Special Offer apply:-
"ERASMIC" *Perfumers*, WARRINGTON.

George Lueders & Co.

Cash paid in and surplus £80,000.

NEW YORK, 218 & 220 Pearl Street.

Branches:
CHICAGO, SAN FRANCISCO & MEXICO CITY.

Import and Export of

ESSENTIAL OILS, VANILLOES

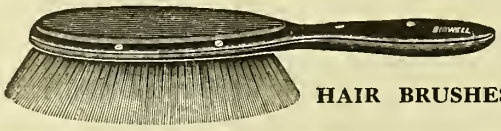
SYNTHETIC PERFUMES, MUSK, AND CIVET.

We export: LINALOE (from Mexico directly), PEPPERMINT, BAY OIL, SPEARMINT, WORMSEED, WORMWOOD, &c.

Established 1839

BIDWELLS' TOILET BRUSHES

FINEST QUALITY



HAIR BRUSHES.

GOLD MEDAL
awarded
International Exhibition

LONDON
Showrooms Now Open:
BUSH LANE HOUSE, CANNON STREET, E.C.

Works—
AXMINSTER, DEVON.

Seven Grands Prix in 1910 and 1911
at Turin (2), Brussels (2), London (2,) and Buenos Aires.

93 AWARDS

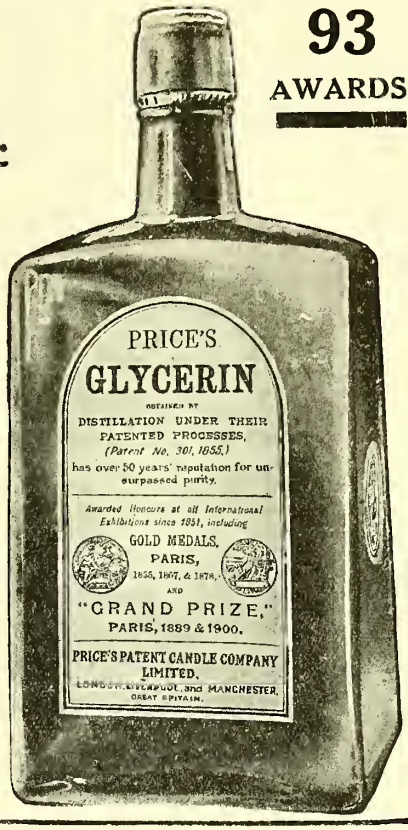
Guaranteed Chemically Pure.

Since its introduction in 1855

PRICE'S GLYCERIN

has maintained an unrivalled position, and can be confidently recommended on account of its reputation for unsurpassed purity and for the uniformity of its quality.

PRICE'S PATENT CANDLE COMPANY LIMITED, London, Liverpool, Manchester.



There is a widespread demand for a Milled Soap specially prepared for use in the Bath!

PRICE'S

BATH BOUQUET SOAP.

Large Circular Tablets.

8 Varieties.

Shows a good profit when retailed at **4½D.** per tablet.

PRICE'S

IMPERIAL BATH SOAP.

Circular Tablets. Standard Size.

6 Varieties.

Shows a good profit when retailed at **3½D.** per tablet.

Price List on application.

PRICE'S PATENT CANDLE COMPANY LIMITED,
BELMONT WORKS, BATTERSEA, LONDON, S.W.

Send to ELEY for these!

ELEY BROS. Ltd., possess facilities second to none for the manufacture of Silver- and Nickel-Plated Brass Boxes for Shaving Sticks, and Aluminium Boxes for Dentifrice, Soaps, etc; also Oval and Round Tops for "Talco" and other Powder Tins, Caps, and Dredgers for Toilet and other Powders.

SOLID DRAWN TUBES, SMALL BRASS AND ALUMINIUM STAMPINGS.

ELEY BROS. Ltd., are large manufacturers of this class of goods to the wholesale trade. Prompt attention given to all inquiries, prices on application.

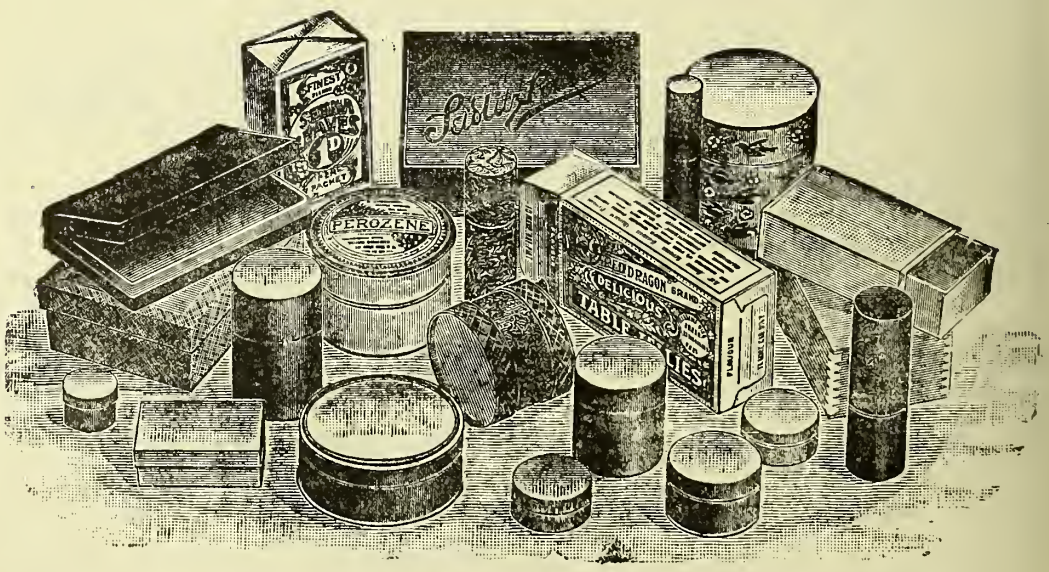
Address all inquiries for these goods to Dept. 21—

ELEY BROTHERS LIMITED,
254 GRAY'S INN ROAD, LONDON, W.C.

BIRMINGHAM: 29 and 30 Whittall Street.
GLASGOW: 82 Mitchell Street.
LIEGE (Belgium): 107 Rue Louvrex.
FLORENCE: 4 and 6 Via Cavour.

Canadian Branch—
ELEY BROS. (CANADA) LTD., Transcona, Man.

ROBINSON & SONS, LTD., CHESTERFIELD.



MANUFACTURERS AND PRINTERS OF ALL KINDS OF CARDBOARD BOXES.

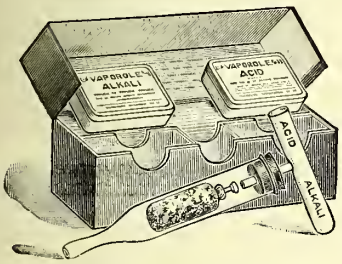
TEXTURÆ ANTIQUÆ, 6—AKKADIAN

A five-shilling Sale easily made

'VAPOROLE'

(Trade Mark) BRAND

AMMONIUM CHLORIDE INHALER



Measurements: $6\frac{1}{16} \times 2\frac{1}{4} \times 2$ in.

The old-fashioned inhaler was too formidable to offer to the customer who simply wanted something to clear the head or chest.

But the 'Vaporole' Inhaler is quite a simple affair. It can be slipped into the pocket and used anywhere.

Plenty of customers will buy it who would not be bothered with the old kind.

Outfit consisting of Inhaler and 'Vaporole' charges of Acid and Ammonia, in case to retail at 5/0 Nasal attachment 6d. extra. Prices subject

BURROUGHS WELLCOME & CO., LONDON

NEW YORK MONTREAL SYDNEY CAPE TOWN
MILAN SHANGHAI BUENOS AIRES BOMBAY

London Exhibition Room: 54, WIGMORE STREET, W.

All communications intended for the Head Office should be addressed to Snow Hill Buildings, London, E.C.

A rock sculpture, representing a victorious Semitic King. Before him stands the goddess Ishtar, holding in one hand the divine star, while, with the other, she leads a bound captive, with a rope through his nose, behind whom kneels a second prisoner. The King tramples a third prisoner under-foot. Other captives, headed by their King, are seen in the lower tier. The victorious King is clad in the Semitic plaid supported by an embroidered girdle which is here extended to form a border design. Date, circa 2800 B.C.

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SYR. FERRI PHOSPH. CO.

B. D. H.

A TRIUMPH OF APPLIED PHARMACY.

Appearance: A brilliant syrup of unexceptionable fruity-red colour.

Flavour: Unrivalled—Characterised by suavity, softness, and freedom from the metallic inky taste of ferrous preparations. The displeasing sensation and "cutting" acidity usually associated with free phosphoric acid syrups gives place to an agreeable fruit-like acid flavour.

Keeping Properties: Will remain permanently bright without developing the slightest sediment or filminess. Never ferments.

Supplied in Bulk. :: Also Packed
READY FOR RETAIL,
:: with label in suitable colours. ::

THE BRITISH DRUG HOUSES, Ltd.
LONDON, N.

THE CHEMIST AND DRUGGIST

A Weekly Journal of the Chemical and Drug Trades
and of
British Pharmacists throughout the Empire.
ESTABLISHED 1859.

The CHEMIST AND DRUGGIST is the leading journal addressing the Chemical, Drug and allied trades in the British Empire and other countries in the Old and New Worlds. It has a larger paid subscription circulation than any other Drug Trade Journal, and is the official organ of nineteen Chemists' Societies in Australia, Ireland, New Zealand, South Africa, and the West Indies.

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BUILDING FOREIGN BUSINESS.

There is no sign of slackening in the boom on British exports, but are you getting your share? That is the question the maker of and wholesale dealer in chemists' goods should ask himself seriously. The overseas business is well worth having, and it is easy to handle—thanks to the merchant shipper. The great thing is to interest the shipper in your goods, and to do that is the special purpose of the

EXPORT MERCHANT SHIPPERS' ISSUE

of The Chemist and Druggist, which is to be published

On March 14, 1914.

Fuller particulars of the scope and character of that Issue, and the advertising space at disposal, together with the rates, are obtainable from The Publisher, The Chemist and Druggist, 42 Cannon Street, London, E.C.

SUMMARY.

Subscribers are advised to read this column first.

Articles and Communications.

Mr. A. E. Bell explains a change in his test for turmeric (p. 63).

The lamina of digitalis is substantially the same in therapeutic strength as the midrib and stalk (p. 59).

Mr. W. Johnston, Secretary of the C.D.A., issues a caution regarding the sale and use of caustic depilatories (p. 49).

The medical profession strongly disapprove of Medical Benefit Regulation 44 (2), which enables herbalists and others to get payment in respect to their own treatment. We go fully into the matter in an article on p. 48.

Mr. D. B. Dott, in a communication to the Pharmaceutical Society at Edinburgh, discussed what occurs when morphine is changed to apomorphine. He also revived his iodine-estimation process for spt. æther. nit. (p. 58).

Our reduced-price edition of Wootton's "Chronicles of Pharmacy" is going well. It is a bargain which some are bound to miss, for we have not enough copies to go round the trade. See the illustrated note in the Coloured Supplement.

In our correspondence columns the importance of chemists appealing to the Insurance Commissioners is well exemplified. Other Insurance matters are discussed, also the practice of dentistry by chemists and several topics arising from our Winter Issue, which has given much satisfaction (pp. 63-64).

News of the Week.

Attention is called on p. 50 to three poisoning cases.

The annual report of the Registrar of the Pharmaceutical Society is summarised on p. 54.

How the strike in South Africa affected chemists is told by our Bloemfontein correspondent (p. 40).

Reports of proceedings under the Shops Act, 1912, against several pharmacists are printed on pp. 41-42.

Wholesale chemists in France may not supply poisons direct to medical men, as the latter are not authorised by law to purchase poisons (p. 39).

An Opticians Act has been passed in Tasmania providing for the registration of present practitioners and the qualifications of those of the future (p. 39).

Parliament will reassemble in Westminster next Tuesday. We forecast some of the proceedings of the session so far as they may affect the chemical and drug trades (pp. 34-35).

The Executive Committee of Local Associations has been elected. The returning officers' report is given on p. 54, and we examine the membership of the Committee to see how far it accords with territorial representation (p. 56).

It is proposed by the Ceylon Legislature to enact an Ordinance to provide for the registration of chemists, druggists, and apothecaries, and to amend the law respecting the sale of poisons. The Ordinance is epitomised on p. 40.

Among the many items of interest in connection with Insurance dispensing is the inquiry ordered at Aberdeen into the deficiency in the Drug Fund, and the issue by the Surrey Insurance Committee of a list of articles which may not be charged to the Drug Fund (p. 51).

Two dispensers at the Derby Friendly Societies' Medical Association were stated at an inquest to have dispensed between them an average of 500 prescriptions a day. Neither of the dispensers remembered giving out twelve morphine pills when only two were ordered (p. 36).

Trade and Market Matters.

Market changes include an advance in santonin, English castor oil, bitter-orange oil, copper sulphate, celery-seed, peppers, and iodol. Ergot, Japanese mint oil (c.i.f.), lemon oil, cod-liver oil (1913), shellac, and turpentine are cheaper (p. 58).

At the auction of first- and second-hand drugs the demand was very poor, the bulk of the goods failing to sell. Matto grosso ipecacuanha was steady, but Cartagena was 6*d.* to 7*d.* lower. Cardamoms were firm to dearer, honey tended downwards, and grey Jamaica sarsaparilla was 2*d.* dearer (p. 58).

B

The Japanese Pharmacopoeia.

The following are additional to the list of revisions made recently :

Tannicum Acetylicum.—Previously this was statod to be soluble in alcohol with difficulty; now it is given as readily soluble. The acetyl-acetate test now reads: "When warmed with alcohol and sulphuric acid it evolves the odour of acetyl acetate."

Unguentum Acidi Borici.—The paraffin basis has been discarded, the new formula being: Prepare by mixing

Boric acid, in fine powder ...	1 part
Simple ointment	8 parts
Glycerin	1 part

Boric-acid ointment is slightly yellowish in colour.

Acidum Acetsalicylicum.—Melting-point, about 135° C.

Appendices.—In that referring to reagents, acidum aceticum anhydricum, $(CH_3CO)_2O$, and natrium aceticum anhydricum are added. In the "Index Nominum" tanninum acethylicum is altered to tanninum acetylicum. In the monograph of Formalinum "the decinormal hydrochloric-acid solution" should be "Normal hydrochloric-acid solution."

Mr. Kihei Konishi, Osaka, has published "The Key for Japanese, British, and United States Pharmacopœias." It is founded on the Pharmacopœia comparisons which have been given in The Chemist and Druggist and *The Chemist and Druggist Diary*.

Minor Botany.

Being the sixth of a series of articles for Pharmacy Students which commenced on January 3, 1914.

The common yew (*Taxus baccata*, Linné) is a handsome evergreen tree which may attain a height of thirty or forty feet. It grows naturally in mountain woods, but is frequently cultivated in churchyards and as a hedge-plant. The compound columnar trunk is a marked characteristic of the tree, this being due to branching occurring

Taxus baccata, *L.*

at the base and the branches fusing together. The narrow (linear) leaves are borne spirally, but are twisted to lie in a horizontal plane, and thus are set closely on opposite sides of the branches; an arrangement which allows the greatest possible leaf surface to be exposed to the light. In April the "male" plants are easily distinguishable by their flowers from the "female" plants. The "male" flowers (lower right-hand drawing) consist of an axis bearing six to ten shortly stalked stamens with flattened (peltate) heads, hanging from which are five to nine pollen sacs. The female flowers, like the male flowers, are borne at the apex of short budlike branches, which bend backwards towards the underside of the branch. A careful search in spring on yew-plants which do not appear to be in flower will usually reveal on the ultimate branches tiny buds with perforations at the tip. These are the female flowers, the scale-like leaves partially enclosing the single ovule which terminates the shoot. During the ripening of the seed an investment (aril) grows up from the base of the ovule and form he red cup-like covering which makes the yew "berry so conspicuous (upper right-hand drawing). The succ nt portion is thus merely a portion of the seed, and not e-rived from the carpels, as is usually the case with e ble fruits. The yew family also differ considerably m other *Coniferæ* in their curious stamens, terminal o es without carpels, and absence of resin ducts.

WESTMINSTER WISDOM.

The Opening of the Session.

The King, who will be accompanied by the Queen, ill open Parliament in state on Tuesday, February 10. e Royal Message is not likely to foreshadow any very n-siderable amount of legislation outside the main ls which are to come under the operation, for the third t e, of the Parliament Act.

Inquiry into Short Weight.

One of the earliest Committees to be set up when Pa a-ment reassembles will, it is expected, be one dealing h the whole question of short weight. The precise s e of the inquiry has not yet been determined by the B d of Trade, but the London and Suburban Traders' Fed a-tion has received an assurance from the President of t t Department that certain aspects of the question s ll be the subject of investigation by a Select Committee of the House of Commons.

Medical Prescriptions Bill.

Lord Lamington informs our Parliamentary Co-spondent that he is unable to state at the present mom t whether or not he will introduce again this Session s Bill to prevent the indiscriminate repetition of presc-tions containing scheduled poisons. The Bill, it may e remembered, was introduced at a late period of t Session in order that its provisions might be discus d throughout the country by the various parties interest , but no further progress was made.

Insurance Act Amendment Bill.

An early announcement may be expected in regard o the introduction of another Insurance Act Amendm t Bill. The inquiry which has been in progress for so e time past, under the chairmanship of Sir Claude Schust , in regard to the question of excessive sickness, has t yet concluded, but a vast amount of evidence has alre y been taken, and it is expected that Sir Claude and s colleagues will be able to present their report in sufficie time to enable any recommendations they may make to e included in an amending Bill during the present Sessi . Another inquiry—and this an unofficial one—which s about to be set on foot, under the chairmanship of t Earl of Lytton, and under the auspices of the Associat n of Approved Societies, will deal with the complaints wh have been made as to the inadequacy of the medi l attendance and treatment of insured persons.

Grocers and Food Standards.

The Bill to amend the Sale of Food and Drugs A which was introduced by the President of the Lo l Government Board at a late period last Session, w it is understood, be re-introduced, but its proposals h been seriously objected to during the recess by groc throughout the country, and steps are being taken induce the Government to withdraw the Bill and cons to the appointment of a Select Committee to consi the whole question. The Bill, as now before the count proposes to give power to the Local Government Boa to set up standards for foods. This, as well as t question of reintroducing the Milk and Dairies Bi in regard to which there appears at the moment to some doubt, will engage the attention of the Parl mentary Committee of the Food Reform Association, t Chairman of which is Mr. J. S. Fletcher, M.P., as so as Parliament meets.

Select Committee on Patent Medicines.

As is well known, this inquiry was not concluded wh Parliament was prorogued in August last, so that it w

e necessary at an early date for the Chief Government Whip to move for its reappointment. It is unlikely, however, that the *personnel* at this stage of the inquiry will e altered, and it will therefore, as before, probably comrise Sir Henry Norman (as Chairman), Mr. C. Bathurst, Mr. Cawley, Dr. Chapple, Sir H. Dalziel, Mr. Hayden, Mr. Ingleby, Mr. W. S. Glyn-Jones, Mr. Hadyn Jones, Mr. H. Lawson, Mr. A. Lynch, Sir Phillip Magnus, Mr. I. Newton, and Mr. O'Grady. As soon as the Committee as been officially set up by the Whips, Sir Henry Norman vill summon a meeting at which his draft report will be iscussed. It will be quite possible, of course, for the Committee, if it so desires, to take further evidence efore closing this part of the inquiry, but so far there s no indication of any intention to do so.

The Celluloid Danger.

Both the City Corporation and the London County Council are proposing legislation dealing with the celluoid danger, and the control of places where this subtance, as well as xylonite, and cinematograph films are nanufactured, stored, or used. Under the L.C.C. General Powers) Bill it is sought to provide for the icensing and registration of all such premises—the ost of the licence being one guinea, half that amount or the annual renewal, and a similar sum for registraion. Power is sought to make regulations in regard to elluloid stores, and as to means of escape which is to be naintained by the owners of the premises. An officer f the Council may enter the premises at any moment, nd the Council may issue handbills calling attention to he danger of celluloid. There is appeal to magistrates n the part of aggrieved persons. The permission of the Council is also necessary should it be desired to use a part only of a house for the manufacture or storage of elluloid articles.

The Man of the Moment.

January 23, 1914.

Who is the happy tradesman? Who is he?

I mean in this peculiarly horrible weather?

The chemist.

There is no happier tradesman than he. He stands all lay long, and a large part of the night, among his bottles nd boxes and jars and jarlets and pots and potlets and abloids and capsules, selling remedies for colds and coughs nd sore throats and rheumatism and neuralgia.

The colder it is the more he is on velvet, the chemist.

In America he is called a "druggist," but "chemist" s better, even though it confuses a mere peddler of amnoniated quinine with Sir William Ramsay and Sir William Crookes.

The old-fashioned spelling was "chymist," and there are till one or two shops in London where this spelling holds, ut I think it's affectation

Meanwhile the chemist (or chymist) is coining money.

Not even his lavish expenditure of clean white paper and ed, red sealing-wax, and the gas that burns always to nelt that red, red sealing-wax, can make his profits look idiculous.

Not even the constant loss of small articles from the ounter, such as manicure sticks, and digestive tablets, and ujubes, and face-cream and smokers' cachous, which never ought to be spread about there at all, because they are o easily conveyed by the dishonest customer into pocket or nuff, can seriously upset the smiling side of the chemist's ledger.

Every night, when at last, laden with gold, he climbs to his bed, he hopes piously that the morrow may be colder.

And it usually is.

He will soon be a millionaire.

It is only a warm wind that can blow the chemist no good.

I wish I was a chemist, but it is now too late.

Still, I wish I was a chemist.—*Punch* (January 28).

A Man Representing Himself to be James Wallace, of Melbourne, Australia, has been calling on the New York drug-trade endeavouring to obtain money. He claimed to be connected with the firm of Felton, Grimwade & Co., of Melbourne, a cable from whom stated that he was not known to them.

ENGLISH AND WELSH NEWS.

Subscribers are invited to send to the Editor newspapers containing news of trade interest. Please mark the items.

Brevities.

Mr. Duerdin, pharmacist, has been appointed dispenser to the Chesterfield and Derbyshire Hospital.

Barrow-in-Furness Town Council have decided to take a vote of the chemists and druggists in regard to a proposed closing order.

Extensive alterations and additions are about to be made to the premises of Boots, Ltd., chemists, Market Street and West Street, Blackpool.

Margate Town Council, renewing two poison-licences, transferred that held by Mr. L. A. Brisley, of South Bank Nurseries, to Mr. Ronald Arthur Baker.

Warrington Town Council have issued a poison-licence to John Dean Weaver, in the employ of Fredk. W. Walters. Three others have been renewed.

Mr. David Fleming, of Dickson, Brown & Tait, seedsmen, of 57 Cross Street, Manchester, has applied to the Town Council for a licence to sell agri-horticultural poisons.

The terms and conditions upon which a traveller in London is offering a marking-ink agency should be carefully scrutinised by chemists before whose notice the scheme is brought.

Sir Jesse Boot motored to Blackpool on January 30, with the object of having an interview with the Corporation regarding proposed extensions to the premises of Boots (Cash Chemists), Ltd., in Market Street and West Street.

At the fortnightly meeting of the Gloucester Guardians the item of 1,445*l.* 9*s.* 6*d.* for drugs in the half-year's accounts was stated by a member to be too large a sum to spend on drugs. He believed the Dispensary Committee, which should supervise the purchase of drugs, never met. Alderman Clarke, a member of the Dispensary Committee, said it was true that the committee rarely met, but he did not think that it was much good for them to do so. The doctors ordered the drugs, and the committee could not say that they were unnecessary. Many poor people had great faith in medicine, and if the doctor did not prescribe for them they considered he might as well have stopped away.

Society of Apotheearies of London.

At the Assistants' examination, held on January 26, 28, and 29, the following candidates were granted the certificate of qualification to act as an assistant to an apothecary in compounding and dispensing medicines:

Adams, E. R.	Hindley, H. S.	Robinson, F. M.
Ashdown, K. M.	Holland, F. H.	Saunders-Morris, K. E. O.
Baker, D. M.	Jackson, A.	Smith, C.
Banbery, E. B.	Knight, G. E.	Stuart, S.
Bean, M. A.	Lacey, A. C.	Taylor, S. S.
Carruthers, I.	Lory, B. H.	Walker, K.
Collison, T. W.	Miller, E. C. McG.	Ward, D. H.
Flindt, G. I.	Pearce, Q.	Whalley, F.
Ford, E.	Pedroza, J. M.	Wilson, F. M.
George, M.	Reece, A. I.	Wyatt, H. S.
Hankins, L.	Rennie, C. E.	Wyer, G. P.
Hardy, M.	Reynolds, D. L.	
Henson, J. M.		

Institute of Chemistry.

The Pass List for the January examinations of the Institute is as follows: *Intermediate Examination.*—Eighteen candidates presented themselves, and seven passed: H. G. T. Boorman, G. A. Bracewell, R. O. Eames, J. W. Harris, D. G. Hoyle, R. G. Thin, and J. Young. *For the Associateship.*—In *General Chemistry* (one candidate, who passed): E. Spencer. *Mineral Chemistry* (four candidates, three passed): E. D. Goddard, B.Sc., F. C. Guthrie, B.A., and G. S. Heaven, B.Sc. *Physical Chemistry* (two candidates, one passed): C. W. James, B.Sc. *Organic Chemistry* (six candidates, three passed): R. S. G. Knight, A.R.C.S., B.Sc.; S. I. Levy, B.A., B.Sc; E. Williams, B.Sc. *Chemistry of Food and Drugs, etc.* (eight candidates, three passed): B. G. Fagan, B.A., B.Sc. (N.U.I.), A.R.C.S.I.; W. Honneyman; Miss E. G. Mocatta, B.Sc.

C.A A. Cinderella.

The second Cinderella Dance this session of the Chemists' Assistants' Association has been fixed for February 19, in the Crown Room, Holborn Restaurant, London, W.C. The invitations sent out truly state in regard to this social event: "An excellent floor, tasteful music—well chosen and well rendered—a genial M.C., an indefatigable company of stewards, and a delightful supper, are some of the features that may be observed; but, perhaps more than anything else, there is an all-pervading spirit of good-fellowship, too subtle for definition, yet quite characteristic of the C.A.A. Cinderellas." Tickets (including supper) can be obtained from the Dance Secretary, Mr. W. P. Styles, 11 Brunswick Road, Kingston-on-Thames, the prices being: Single, 5*s.* 6*d.*; double, 10*s.* 6*d.*

Friendly Society Dispensing.

The death of a Derby joiner named John Thomas Parker (52) was the subject of an inquiry at Derby on February 3. It appeared that Parker, who was a member of the Amalgamated Friendly Societies' Medical Association had been suffering from cirrhosis of the liver and jaundice. As he was unable to sleep, Dr. J. Mascall, the Association's medical practitioner, made out a prescription, which read: "Morphia pills ii." This was handed to the man's sister, with an instruction to give the patient one pill immediately on her return home and the other two hours later. The woman presented the prescription at the dispensary, but could not see through the small window who received it. In due course she was handed a box which, on reaching home, she found contained twelve pills. Her brother commented on the fact that these were smaller than others he had had previously, and, thinking that two of them were equal to one of the larger size, she gave him four. Two hours later he asked for more, and another four were given him. Subsequently he was found to be unconscious, and though Dr. Mascall used restoratives death ensued from the overdose of morphia.—Fredk. Martin stated that he had been in the employ of the Medical Association for eighteen years. He was a qualified dispenser, but not a chemist. He deposed that it would be the duty of either himself or his assistant (a youth named Franklin) to procure the pills, which were kept in stock. He could not remember which of them did so. They dispensed on an average 500 prescriptions daily, and on the day in question the number was above that figure. Unless the doctor so ordered it was not the practice to inscribe directions on the box, the absence of such an order from the prescription indicating that the directions had been given verbally. It would not be safe for him to give directions lacking such information. It was a complete mystery to him as to why so many pills were supplied in this case. Each pill contained a quarter of a grain of morphia. Any quantity above half a grain was sufficient to cause death.

Coroner: Do you not consider it is exceedingly dangerous to hand out pills in this reckless sort of way—twelve deadly pills instead of two?—It is a mystery to me. I have tried to call to memory how it was done.

Is it customary to hand out pills containing morphia without instructions as to how they are to be taken?—No. Instructions are generally written on the box, but it was not so in this case.

The assistant, Franklin, said he could not remember seeing the prescription, receiving instructions to hand out the pills, or actually doing so.—Dr. Mascall said he did not consider it necessary to order that the directions should be written on the box as the number of pills was stated, and he had given deceased's sister explicit instructions as to when they were to be taken. If he had ordered a larger number than was safe he would have stated on the prescription-form that the directions were to be set out on the box. He was totally unable to explain how twelve were supplied instead of two.—The jury returned a verdict of "Death by misadventure," and added that there had been gross negligence on the part of the dispenser and his junior. However, they considered both were overworked, and should be supplied with assistance. They also suggested that when poison was prescribed in pills its nature should be notified on the box.—The Coroner added that there had been gross and culpable negligence.

Sale of Food and Drugs Bill.

Chambers of Commerce throughout England are tak steps to oppose Mr. Burns's Bill to Amend the Sale Food and Drugs Acts as regards the manufacture and s of articles of food and drink, reference to which is m elsewhere in this issue. At the annual meeting of t Bath Chamber last week it was resolved, on t motion of Mr. D. A. Evans (Messrs. Steele & Mars "that the Bill, if passed into law in its present fo would be detrimental to the interests of manufacturers food and food-products, as well as to retailers and c sumers." The Chamber therefore urged that the subj should be referred to a Select Committee of the House Commons in order that all parties interested may ha an opportunity of tendering evidence.

Contracts.

Salford Education Committee.—Baird & Tatlock, Manchester, chemicals and apparatus for chemistry partment at the Technical Institute, 126*l.*; F. Jacks & Co., Manchester, balances, weights, and attachmen 56*l.* 3*s.* 1*d.*

Barnstaple Town Council.—Mr. F. Dyson, chemist, disinfecting-powder, at 5*s.* 9*d.* and 4*s.* 10*d.* per cwt.; c bolic acid, 1*s.* 7*d.* gal.; sulphur candles, 1*l.* 1*s.* 6*d.* per cw crude carbolic acid, 1*s.* 0½*d.* gal. Mr. E. W. Proudma chemist, for disinfecting-fluid, 2*s.* gal. Mr. R. F. Idend pharmacist, for formalin tablets, 4*s.* 6*d.* lb. Mr. G. M. Fitt, chemist and druggist, for Schering's formalin, 1 gal., and Sanitas No. 1 soap, 2*l.* 2*s.* cwt.

Sale of Food and Drugs Acts.

Of the twenty-seven drug samples submitted to t St. Pancras analyst last quarter, only one (camphorated o 14.2 per cent. deficient in camphor) was reported agains

Mr. Richard Elliott Griffiths, B.Sc., A.I.C., pha maceutical chemist, 40 Baldwyn Gardens, Acton, Londo W., has been appointed by the Southwark Borough Cou cil second assistant to the public analyst, at a co mencing salary of 130*l.* a year, rising by annual incr ments of 10*l.* to a maximum of 180*l.* There were seve applications for the position.

The Bethnal Green analyst (Mr. A. W. Stokes) repor that of the samples he had examined during the pa quarter the drug samples showed the unusual proportio of 30 per cent. adulterated. These consisted of ca phorated oil deficient in camphor or of glycerin made largely of sugar and water. They were mostly bought oilshops or grocers.

In Wandsworth last quarter two formal and eighte informal samples of drugs were analysed. An inform sample of Epsom salts was reported to contain 0.23 p cent. magnesium chloride; a tincture of iodine samp contained 40.6 per cent. excess iodine. Seven sampl of non-alcoholic wines were analysed, five being reporte against as containing from 0.03 per cent. to 0.04 p cent. of salicylic acid.

The Lambeth analyst, Mr. A. H. M. Muter, F.I.C reports that 488 samples submitted last quarter i cluded twenty-two informal samples of drugs, all which were certified as genuine. At the meeting of t Borough Council on January 29, Councillor F. Bascomb F.I.C., complained of the small number of drugs su mitted to the analyst, these amounting to only 2 p cent. of the total. Moreover, informal samples on had been analysed. A much greater quantity ought t be taken, in view of the National Insurance Act. H hoped that more samples of drugs would be analysed i future. Councillor W. H. Brown, Chairman of t Public Health Committee, said it was not necessary take formal samples of drugs when it was found that t informal samples were genuine. A variety of drugs ha been analysed, including three samples of malt extra and cod-liver oil, glycerin 6, Gregory powder 4, eucaly tus oil 2, grey powder 2, milk of sulphur 3, an ammoniated tincture of quinine 2.

The Sale of Medicated Wines.

At Doncaster on February 2, an off wine-licence wa granted to Mr. C. Parkin, chemist and druggist, Mark Place, Doncaster, on condition that only medicated win were sold.

At Leigh (Lancs) Brewster Sessions on February 2, an off wine-licence was granted to Mr. William H. Harrison, of 48 Coupe Brow, Tyldesley, on the understanding that medicated wines only would be supplied.

At Haywards Heath (Sussex) Licensing Sessions on February 2, Mr. W. H. Dixon, chemist and druggist, Haywards Heath, was granted an off wine-licence, on condition that he sell wines containing medicinal ingredients.

At Arundel (Sussex) on February 2, an off wine-licence was granted to Emily Longman and Wilfred John Ham Longman, of the drug-stores, 9 Beach Road, Littlehampton. The Bench declined to allow the Chief Constable to tender opposition to the application.

At the annual meeting of the Bristol Licensing Justices on Monday, the Chairman said that in order to remedy "the great mischief caused by the indiscriminate and excessive use of so-called medicated wines sold under chemists' licences," no further licences of that character would be issued, and no transfers of existing licences would be allowed except under such safeguards as might be considered advisable.

At a conference at Bath on January 28 on the subject of medicated wines and alcoholic patent medicines, Dr. C. A. Marsh moved a resolution deploring "the dangerous facilities for obtaining from chemists wines heavily charged with alcohol under the deceptive term of medicated wines, yet containing only in a minute degree, if at all, as proved by analysis, any true medicinal value or ingredient," and asking the licensing justices not to entertain any applications for wine-licences by chemists. Mr. D. A. Evans, of Messrs. Steele & Marsh, chemists, Bath, said that as a chemist holding a wine-licence he took the strongest exception to the resolution. From early morning until late at night, he said, chemists were handling alcohol. The chemist had to dispense what the doctor prescribed, and therefore if an attack was to be made it should be on the doctors. Nearly all doctors' medicines contained alcohol, and hundreds of thousands of lives in this country had been saved thereby. Therefore he asked that they should not attack the chemist when he was doing a public duty. Nearly every tincture and the majority of wines in the B.P. contained a greater amount of alcohol than the medicated wines. It was a puzzle to him why the speakers had not included grocers, who could include drink in the household bills. That was the trouble. (Applause.) He denounced the spirit of the resolution as unchristian. The resolution was carried.

Midland Notes.

The Organisation meeting at Birmingham last week was a record one, many of those present having come from a distance and where no Association exists. The dinner, at which about fifty were present, was characterised by the light-hearted banter that was indulged in.

Mr. Sargeant, who spoke at the afternoon meeting, was suffering from a severe cold, but managed to convey in a very lucid manner his remarks on Insurance dispensing difficulties. One speaker, who put a question to Mr. Woolcock, almost upset the latter's equanimity—a difficult thing to do at any time—but the Secretary quickly saw the "point" and gave an effective reply.

The Midland Pharmaceutical Association had arranged a musical and social evening at the Grand Hotel on the same day. This was a great success. The programme was excellent.

Mr. Cyril Thurland Thonger, secretary of the University Drug Company, Ltd., Bournbrook, is applying at the February Brewster Sessions for an off wine-licence for No. 77 High Street, Bournbrook.

Mr. L. C. Tipper, of Messrs. Tipper & Co., horse and cattle medicine manufacturers, Balsall Heath, is announced as a probable candidate for Parliamentary honours for the Bordesley division of Birmingham, *vice* the Right Hon. Jesse Collings, who has announced his impending retirement.

The renumbering of shops in Soho Road, Handsworth, is contemplated, and a strong protest has been made by local tradesmen against alteration without due notice. They contend that much money has been spent on billheads and other stationery which will require alteration or renewal. There are several chemists' shops on this route.

The Lord Bishop of Liverpool recently unveiled a memorial stained-glass window in Bromsgrove Parish Church to the memory of the late Sir Thomas Chavasse, the well-known Birmingham physician. Biblical examples of the healing art are depicted on the windows, as well as the crests of the Chavasse family, the Royal College of Surgeons, and the Universities of London and Edinburgh. Sir Thomas Barclay attended as representative of pharmacy.

From Various Courts

At Guernsey on January 31, a woman named Lake was sentenced to eight days' imprisonment for selling "charm" powders (consisting of flour) for 3*l*. each.

At Gravesend, on January 28, Private Charles Lamb was fined 40*s*., or in default ordered to undergo one month's imprisonment, for breaking a window at the local branch of Boots, Ltd. The manager took advantage of the crowd which gathered to view the damaged window by posting on it a placard worded: "This window was not broken by suffragettes, but by a man wanting Campbell's Cherry Cough-cure in a hurry."

At the Clerkenwell Police Court on February 3, Alice Davis (37) and Sarah Arnold (30), both married, were charged with being concerned in maliciously damaging a quantity of phenazone powder, value 15*l*., the property of Messrs. B. A. Smith & Co., chemical-merchants, 4 Church Row, Aldgate, London, E. It was alleged that prisoners took the parcels off the truck and threw them down a cellar. The Magistrate, in binding the women over, remarked to them, "When you have a quarrel with an errand-boy, don't throw his parcels down a cellar."

An inquest was held at West Ham on February 3 on Arthur Thompson, aged two months, who died from meningitis. The mother said she took the child to Mr. J. C. Purdue, herbalist, 28 Roscoe Street, Canning Town, under the impression that he was a doctor. She was told the child had pneumonia, and was given some medicine, liniment, and cotton-wool, for which 2*s*. was charged. The infant was worse in the afternoon, so Mrs. Thompson went and asked if she should call in another doctor, but Mr. Purdue answered, "If I can't do any good nobody else can."—The Coroner: Did you think he was a doctor?—I have seen his certificate at his door, but I am no scholar.—John Charles Purdue, an elderly man, deposed that he had forty years' experience, and was a "medical herbalist by examination," having the certificate of medical herbalist of Great Britain.

The Coroner: You knew there would be trouble if you gave a certificate of death?—No.

Have you given one in West Ham before?—No, not in West Ham.

Is this certificate you gave something new?—No: they are supplied to members of our society at twenty-five for 1*s*.

They call you Dr. Purdue.—Yes, but the people know I am not.

Witness said death was due to pneumonia.—A Juror: You said a doctor could not do more than you?—Yes; and I'll prove it.—The Juror: Nonsense. When did you pass your examination?—In 1901.—Dr. Angus Kennedy said death was due to meningitis. He did not think that the child's life could have been saved.—The jury returned a verdict of "Natural causes," the Foreman adding "Without comment."

"Medico" in the "Birmingham Weekly Post" writes: "Salicin is better known as its alkaline salt, salicylate of soda, while its acid salt or acetic-acid salt is called aspirin."

A Well-known London Firm of perfumers lodged a complaint with the British Government that their trade-mark (a portrait of Queen Victoria) was being used in the Argentine by a foreign firm, with the permission of the Argentine Government. The case was taken up by the British authorities, and it is now in process of settlement there.

IRISH NEWS.

Subscribers are invited to send to the Editor newspapers containing news of trade interest. Please mark the items.

Brevities.

Mr. S. P. Boyd, M.A., D.L., has been elected a member of the Council of the Dublin Chamber of Commerce.

Mr. J. Robson, Ph.C., Belturbet, Co. Cavan, has been elected Vice-Chairman of the Belturbet Urban District Council.

Mr. R. W. Hayes, Ph.C., and his brother, Mr. Thomas Hayes, Ph.C., have opened the Dartry Pharmacy, 83 Upper Rathmines, Dublin, and will trade as Hayes & Hayes.

A fire took place on January 30 in the establishment of Mr. H. McRoberts, registered druggist, 169 Donegall Road, Belfast. The outbreak originated in the shop, and was soon extinguished.

Mr. James C. Neeson, formerly Clerk of the Belfast Union, died on January 30. His only surviving male relative is his nephew, Mr. Horace John Neeson, chemist and druggist, London, who was present at the end.

A paragraph in the *C. & D.*, November 22, 1913, p. 38, in reference to the fine pharmaceutical premises rebuilt by Mr. H. E. Young, Ph.C., on Strand Road, Londonderry, gave the cost as "close on 2,500*l.*" This, our correspondent now learns, is inaccurate, as the total cost was far below the figures mentioned.

After the declaration of the poll at the recent Urban elections in Ballymena, Mr. Huston Lancashire, Ph.C., Church Street, Ballymena, who headed the poll, promised to present a wedding gift to the first couple that got married in the Townhall Ward. On January 24 this was claimed by a local couple who had just been married. They were allowed to select their own present at a large business establishment, and this was paid for by Mr. Lancashire.

A Lighthouse Window-display.

Mr. W. McConnell, R.D., Bushmills, has at present a window-show designed to stimulate the sale of his cough-specialities, etc. A dark-red cardboard model of a lighthouse is shown, and through the window can be seen a group of fantastically attired "Tango" dancers, worked by a mechanical contrivance from beneath the floor. A mirror, partly covered with sand and rock salt, represents the "briny," and an open boat with oars is seen moored to rocks, upon which are birds. A pharmaceutical programme of music is also shown, indicating well-known remedies. The lighthouse suggests "safety" for all who use McConnell's "Reliable Preparations." The background includes flags of various colours. The display, especially at night, when the lighthouse is illuminated, is very striking.

Guardians' Doings.

Correspondence has taken place between the Local Government Board, Dr. Lavery, medical officer of Dundalk Union, and Messrs. Ben Clarke & Sons, Belfast, contractors for medical and surgical appliances to the Union, on the question of late deliveries. Dr. Lavery complains that a practice is springing up among contractors of completing orders in two or more deliveries. This causes considerable trouble, and should not be allowed except in very special circumstances. The Guardians have decided to leave the matter in Dr. Lavery's hands.

The Local Government Board have written to the Fermoy Board of Guardians returning vouchers furnished to them with a view to recoupment in respect of medicines and medical appliances, and informing the Guardians that the Board could not recognise two items for 9*l.* 6*s.* for certain reasons assigned. The Board also called attention to certain irregularities which had occasioned undue loss of time to the Department by reason of the careless manner in which the returns have been prepared, and requesting that the returns for the current half-year and for the future should be properly prepared. The Clerk said the returns had been prepared exactly in the same way for the past fifteen years without objection from the Local Government Board. The matter was left over until a further communication is received from the Local Government Board.

SCOTTISH NEWS.

Subscribers are invited to send to the Editor newspapers containing news of trade interest. Please mark the items.

Brevities.

Mr. Christie, chemist and druggist, has been appointed manager of the Kelty Co-operative Drug-store.

Mr. James Jack, Ph.C., F.L.S., Arbroath, has been appointed to the Commission of the Peace for the County of Forfar.

Mr. Alexander Fairbairn, chemist and druggist, Pacific Terrace, Aberlour, has taken over a business in Liverpool. He was presented with a gold watch by Aberlour friends before leaving.

Edinburgh.

Mr. W. S. Glass, Ph.C., has been appointed Vice-President, and Mr. J. A. Forret, chemist, Hon. Secretary, of the Edinburgh and Leith Traders' Defence Association.

At Soughton, on Wednesday, January 28, Pharmacy United Football Club played a capital game with the Edinburgh Union. Result: Pharmacy United, 1 goal; Edinburgh Union, 1 goal.

The principal business down for discussion at a meeting of the Edinburgh and District Chemists' Trade Association on Friday, February 6, is a suggestion with reference to the formation of a Lothians Pharmacists' Association.

About midday on Saturday, January 31, when a terrific gale prevailed, Mr. William Lawson, chemist, 106 Lothian Road, while in Princes Street and stooping to pick up his hat, was blown with considerable force against the railings, his forehead being cut and his right arm injured. He was removed to the Royal Infirmary, where five stitches were put in a wound on the right eyebrow.

Glasgow and the West.

The business of George Stirling & Co., manufacturing chemists, 59 Lanark Street, Bridgeton, Glasgow, has been transferred to Mr. William Lithgow Liddell, who has been connected with the business for some time, and he will discharge the liabilities.

Mr. John Skinner, chemist, and Mr. J. A. Hogg, chemist, Port Street, Stirling, have each an exceedingly pretty display of Amami preparations. The windows are tastefully decorated with golden-yellow silk ribbon, with here and there a full-blown tea-rose, and the toilet requisites are neatly and attractively arranged.

At a meeting of the creditors of Richard B. C. Allen, chemist, English Street, Dumfries, held at the offices of Messrs. Adamson & Blacklock, 98 Irish Street, Dumfries, on January 30, a statement of affairs was submitted showing liabilities totalling 867*l.* 13*s.*, to meet which there were assets of 238*l.* 13*s.* 9*d.* It transpired that the debtor purchased the business for 400*l.* three years ago, the amount payable to be spread over eight years with 5 per cent. interest on the balance outstanding. The present position was due to the fact that he had allowed his name to be put upon the panel of chemists under the Insurance Act, which had resulted in his losing a number of customers. After a short discussion, it was resolved to adjourn the meeting in order to allow the debtor an opportunity of submitting to the creditors certain proposals.

Glasgow Pharmacy Golf Club.

The annual meeting was held at 180 West Regent Street on Friday evening, January 30. Mr. Murchie was elected captain and Mr. MacDonald vice-captain for the coming year. A hearty vote of thanks was accorded the retiring captain, Mr. Arthur McEwan, for the strenuous work he had done for the club since its inauguration. An interesting and comprehensive programme for the ensuing year was submitted, discussed, and approved of. Members are requested to note that entries for the T. & H. Smith Cup Competition close on February 24. The first round has to be played on or before March 17. Names to be entered on the sheet in the rooms or sent to the Secretary, Mr. W. S. Galbraith, 52 Paisley Road, W.

FRENCH NEWS.

(From the "C. & D." Paris Correspondent.)

A Bust of Pierre Curie is the latest addition to the collection of busts of scientists in the French Institute.

Duty on Terpeneless Oils.—With reference to the notice in the *C. & D.* of December 9, 1911, respecting a decision to the effect that terpeneless essential oils must, on importation into France, pay Customs duty on the basis of the quantity of non-deterpinated oil which they represent, the French Customs Administration have issued a further decision showing the proportion of the concentrated (deterpinated) to the non-concentrated oil which is to serve as a basis for the assessment of duty in the case of the following oils: anise, cananga, citronella, fennel, bay, ginger, "limette," and nutmeg.

Professor Ehrlich in Paris.—On Monday morning last, Professor Ehrlich was the object of a very friendly manifestation when he visited the clinic of Professor Pozzi at the Broca Hospital, Paris. About a hundred students, practitioners, and professors had met to receive him in the large amphitheatre of the hospital. Professor Pozzi welcomed the eminent German scientist, whom he thanked as having endowed science with a marvellous therapeutic agent. Dr. Jeanselme, one of the first physicians in France to whom Professor Ehrlich forwarded salvarsan, also spoke, and referred in appreciative terms to the excellent results he has obtained in Paris during the past three years in the treatment of the hidden plague. Professor Ehrlich replied briefly in French. He said that no one is a prophet in his own country, and that his method and ideas have been applied and understood better in Paris than elsewhere. If success has crowned his efforts, then he owes it in a large measure to the French medical profession. The technical details in the application of the treatment, which are of great importance, have been particularly well appreciated by French physicians. Frau Ehrlich accompanied her husband.

Wholesale Chemists and Doctors.—A case of considerable interest was tried in Paris on Friday, January 30, concerning the sale of poisonous substances. It transpired in course of the evidence that a servant-girl presented to a firm of wholesale chemists a letter bearing the signature of a doctor known to them, which contained an order for morphia. The drug was duly delivered, and the supply was repeated on two occasions on production of the box previously supplied. The servant handed the morphia to her mistress, the latter being the wife of the physician whose name appeared on the order, but she had forged her husband's signature. The lady was already a morphinomaniac, and as a result of taking the drug thus surreptitiously obtained she had to undergo a long and expensive treatment. On the ground that the chemists had not exercised sufficient care in supplying the morphia, the doctor brought an action against them for damages, especially by reason of the outlay he had incurred. The Judge discarded the question of the forged signature, and decided that the chemists as a wholesale firm were not justified in supplying poisons to doctors, the latter not being included among the category of persons to whom the wholesale trade may sell poisons direct. They may only be delivered to chemists, manufacturers who are specially authorised to purchase them, and to pharmacists, but not to doctors (Law of October 29, 1846). The judgment further stated that if such a custom exists, it is one which is not authorised, and consequently the wholesale chemists and druggists who thus infringe the law do so at their risk and peril. As a result of this finding, the defendants were ordered to pay 300f. (12*l.*) damages to the doctor, although their perfect good faith in the matter was clear and fully recognised.

"Why our Chemists are So Bright and Healthy."

"Folle.—How charming to have a manicure-set presented to you. When filling it with the necessary manicure preparations include the —— Nail-polish, which all chemists keep; it keeps them so bright and healthy."—*Lady's Pictorial.* This is quoted by "Punch," which supplies the heading.

AUSTRALASIAN NEWS.

"The Chemist and Druggist" is subscribed for and supplied weekly to all the members of nine Chemists' Societies in Australia and New Zealand.

Fiji.

Regulating the Use of Opium.—A Bill has been brought before the Legislative Council of Fiji to regulate the importation of opium and other habit-forming drugs. The sale is also to be subjected to restrictions. The Bill is similar in scope to the ordinances which have been passed in other Crown Colonies.

Queensland.

Pharmacy Board.—The election of members of the Board was held on December 20. The returning officer ruled that Mr. R. C. Cowley, one of the candidates, was not eligible for election in accordance with the regulations. The result of the election was the return of the whole of the members of the sitting Board. Amendments to the regulations have been gazetted. The principal change is that the Board now have power to pay those examiners who are also members of the Board, but the money to be divided among the examiners must not exceed twelve guineas for any one examination.

Tasmania.

The Opticians Act which has passed through Parliament is a more comprehensive measure than has been obtained by any class of doctors, pharmacists, or dentists during the last quarter of a century. Registration under the Act by Section 4 is not to give any right to assume the title of oculist or any other title implying that the holder is qualified to practise ophthalmic medicine or surgery, or to administer any drug for the purpose of paralysing the accommodation of the eye. Any person over the age of twenty-one who has for three years been *bonâ fide* engaged in the practice of "optometry," and who passes to the satisfaction of two examiners, one of whom shall be a legally qualified medical practitioner practising as an oculist, and the other a person deemed by the Governor to be a competent optician, an elementary examination in optics deemed sufficiently comprehensive to reasonably safeguard the public against possible injury arising from ignorance or incompetence, shall be entitled to be registered under the Act. Application must be made within six months after the commencement of the Act. The Board is authorised to make regulations as to training, examinations, the appointment of examiners and certificates and any entitled to practise "optometry" in any co-operating State shall be entitled to be registered. Persons practising for the full period of three years next before the commencement of the Act in making up and fitting spherical spectacles for simple refractive defects from a permanently located place of business within the State, or dispensing oculists' prescriptions for glasses, shall, upon payment of the prescribed fee, be entitled to receive a licence from the Board granting them permission to continue such practices without examination. But this does not authorise them to assume the title of registered optician or any similar title. Only certified opticians will be entitled to practise "optometry" and to dispense oculists' prescriptions for glasses in any part of the State, subject to this previous provision. "Optometry," or the practice of optometry, is defined as the employment of methods other than the use of drugs for the measurement of the powers of vision and the adaptation of lenses for the aid thereof. The Board is to consist of five persons to be appointed by the Governor, three deemed to be competent opticians and two legally qualified medical practitioners. Annual certificates are to be issued and a fee payable each time. After the passing of the Act it shall not be lawful for any hawker or other travelling vendor who is not registered or licensed under the Act to peddle, barter, sell or offer for sale, exhibit samples of, accept orders or commissions for, or carry stocks of spectacles or eyeglasses. The Tasmanian Optical Association, formed six years ago, promoted the measure, and it has been passed in the face of strenuous opposition from the medical profession.

Ceylon Poisons Law Amendment.

It is proposed by the Ceylon Legislature to enact an Ordinance to provide for the registration of chemists, druggists, and apothecaries and to amend the law respecting the sale of poisons. The general objects are (1) to require persons who carry on the chemist and druggist business to be licensed, (2) to introduce a system of registering chemists and druggists similar to that of the Pharmacy Act, 1868, and similar Acts in other parts of the Empire, and (3) to prohibit the sale of poisons by any persons other than those who are licensed so to do. The Bill provides that no person shall sell or keep open shop for retailing, dispensing, or compounding drugs or poisons unless he holds a licence, and unless he is a registered chemist and druggist or employs a registered chemist and druggist personally to superintend and manage the sale, dispensing, and compounding of drugs and poisons. Persons entitled to be registered as chemists and druggists will be (1) those holding certificates as apothecaries under "The Ceylon Medical College Ordinance"; (2) those entitled to practise in Great Britain as apothecaries, chemists and druggists, or pharmaceutical chemists; (3) those who satisfy the Council of the Ceylon Medical College that they have for twelve months previous to the date of the passing of this Ordinance kept a chemist's shop and held a licence under "The Poisons Ordinance, 1901," and had a training in pharmacy and in the nature of drugs and poisons; and (4) those who hold certificates issued by a Board of Examiners to be appointed by the Council that they have passed an examination to be prescribed by the Council.

The Ordinance will not affect the sale or supply of medicines by duly qualified medical practitioners or dentists to their patients; the sale of drugs, not being poisons, by wholesale to retail dealers; the sale of patent, proprietary, or homœopathic medicines; the sale of simple medicinal substances like camphor, castor oil, quinine, etc.; the sale of herbs, vegetables, gums, oils, or seeds, not being poisons, in their natural state, or articles, not being poisons, which are used for flavouring foods or drinks or perfumery, etc.; the sale or supply of drugs to an estate hospital, or the dispensing of medicines at any estate dispensary; and dispensing of drugs and poisons by vedaralas in the ordinary course of practice. A register of persons registered will be kept by the Registrar of the Medical College. Provision is made for H.E. the Governor in Executive Council to direct the removal from the register of the name of any person convicted of an offence which, in the opinion of the Council, renders him unfit to be a chemist or druggist, or shows gross negligence or incapacity in the performance of his duties. The licence is to be an annual one, expiring on December 31. The Registrar is given power to withdraw a licence, but his order is subject to an appeal to H.E. the Governor in Council.

The Ordinance also proposes to regulate the sale of poisons, providing that the wrapper round the box or bottle in which the poison is sold shall be labelled with the name of the article and the word "Poison" in English, Sinhalese, and Tamil, and with the name and address of the seller; that the seller can only sell to a person known to him or introduced to him by some person known to the seller; that every sale shall be entered in a book and shall be signed by the purchaser and the introducer, if any; and that the "Sale of Poisons Book" will be open to inspection by the police. Repeal of the Poisons Ordinance, 1901, is also provided for.

WILLS PROVEN.

Mr. J. B. S. Lancaster, chemist and druggist, 46 Park Road, Southend-on-Sea, who died on December 24, left estate of the gross value of 3,686*l.* 15*s.* 10*d.*, of which 3,365*l.* 13*s.* 3*d.* is net personalty.

Mr. John Thompson Bayliff, chemist and druggist, Kirkby Lonsdale, who died on November 4, left estate valued at 2,071*l.* 9*s.* 8*d.* gross, with net personalty 1,989*l.* 15*s.* 10*d.*

Mr. John Edward Cuthbert, chemist and druggist, 70 Cable Street, Lancaster, who died on October 3, left estate valued at 1,823*l.* 18*s.* gross, with net personalty 85*l.* 18*s.* 11*d.* Letters of administration have been granted to his son, Mr. Ernest Cuthbert, chemist's assistant, of the above address.

The Chemist and Druggist is to me a very welcome guest and a wireless mode of obtaining what is newest and best in the world of pharmacy.—*S. M. S.* (Saskatchewan, Canada (228/25).

SOUTH AFRICAN NEWS.

(From "C. & D." Correspondents.)

"The Chemist and Druggist" is subscribed for and supplied weekly to all the members of the seven Chemists' Societies in British South Africa.

Orange Free State.

Medical and Pharmacy Council.—The monthly meeting was held at Bloemfontein on January 9, when the following members were present: Dr. A. B. Ward (President), Drs. S. M. de Koch, S. G. Friedmann, and G. H. Usmar, Mr. E. Whiteside (dental representative) and Mr. S. S. Hewitt (pharmaceutical representative). On the written application of Mr. A. McMurray for leave of absence from the meeting, two months' was granted. The restoration of the following name to the register of chemists and druggists was confirmed: Thomas William Dukes (admitted to practise in the Orange Free State on June 26, 1896). Address Vryheid, Natal. The following registration was confirmed: Harry Hartley Greenwood (chemist and druggist, O.F.S. 1911) as a chemist and druggist. Address: c/o Messrs. Petersen, Ltd., Bloemfontein.

The Strike.—Everything has paled into insignificance in the presence of the great labour strike, but, thanks to the drastic measures taken by General Botha, a national calamity has been averted. During the few days the strike was in operation Bloemfontein, in common with the rest of South Africa, presented the appearance of an armed camp. With the proclamation of martial law, nine-tenths of the able-bodied men in the town were commandeered for service, and business was brought to a standstill. The streets were patrolled by bodies of armed men, mounted and on foot, the price of foodstuffs was fixed by law, and goods were not permitted to enter or to leave the town in any quantity. At the time when feeling was running highest, and the military were unable

to send an escort for fear of a collision with the strikers, a firm of chemists took a consignment of goods from the railway and brought them safely to their own doors. Heynes, Mathew, Ltd., as contractors to the police, defence force, and national hospital, were specially anxious to obtain a quantity of dressings and bandages lying at the bottom of a truck in the goods-sheds. To the credit of the strike leaders, Messrs. Cruikshank and Eatock, it must be said that when appealed to they agreed to there being no obstacle placed in the way of these goods being removed, and even offered the services of a squad of strikers should their help be required. This occurred on Monday, January 12, but since then the situation has cleared up considerably owing to the vigorous action of the Government. The various drug-houses in town have been put to very considerable inconvenience through the commandeering of their staffs for service and the fact that goods could not be despatched to the country. Our picture shows the goods released by the strikers, and Mr. Doel, who negotiated the matter with them.

LEGAL REPORTS.

TRADE LAW.

"Lavona" Trade-mark.—Tokalon, Ltd., London, have lodged an appeal with the First Division of the Court of Session, Edinburgh, against Lord Anderson's judgment in the action of interdict at their instance against Davidson & Co., chemists, carrying on business under the trade-name of the Kar Manufacturing Co., Barclay Place, Edinburgh (*C. & D.*, January 17, p. 42).

Sale of a Business.—At the Belfast Recorder's Court, before County Court Judge Craig, K.C., Messrs. W. J. Rankin & Son, 11 Waring Street, Belfast, sued Mr. Alfred M. Dougan, 117 Old Park Road, Belfast, chemist, to recover 9*l.* 10*s.* for commission, as arranged, on the sale of defendant's business at Old Park Road. Evidence having been heard at considerable length, his Honour came to the conclusion that there was a prior agency, and dismissed the case.

National Insurance Act Cases.—In Kirkcaldy Sheriff Court on January 28, three actions of multiplepoinding were called at the instance of Dr. Ebenezer Turner, Loughborough Road, Kirkcaldy. Two of the actions are in connection with the panel fees alleged to be due by the Kirkcaldy Burgh Insurance Committee and the Fife County Insurance Committee, and the third is against the Provost and Magistrates of Kirkcaldy Town Council, as trustees for Kirkcaldy Hospital, for a sum of 7*l.* 10*s.*, said to be due to Dr. Turner for services rendered in connection with the hospital. In the first two actions Sheriff Armour-Hannay ordered a condescendence of the fund *in medio*, setting forth the amount of panel fees due to be lodged within six days, and in the action against the Provost and Magistrates his Lordship ordered that the 7*l.* 10*s.* be consigned with the Clerk of Court. [In these actions an important point arises, since the panel fees due to Dr. Turner are claimed both by himself and the trustee in his sequestration, this being the first point of that nature which has been raised under the National Insurance Act.]

Weights and Measures Act.—At Stratford Police Court on January 31, James Bernard Sharpley, described as a chemist, The Pavement, High Road, Seven Kings, was summoned at the instance of the Essex County Council for having an unjust weight in his possession for use for trade. The prosecution's case was that on January 20 Inspector Baxfield visited defendant's premises, and was shown a scale and set of brass weights from 1 lb. downwards. Lying near was an iron weight apparently of 1 lb. weight, and on testing the two there was a discrepancy. Defendant explained to the inspector that the iron weight was not used for business, but for weighing babies. The weight was 7 dr. light, or 2½ per cent. Defendant also said he bought these scales in Kingsland Road about eight and a half months ago. Defendant admitted the correctness of this statement, adding that the weight had never been used for trade. The Chairman (Mr. B. Tabrum) pointed out that the offence was having the weight on the premises, and imposed a fine of 10*s.*, and 4*s.* costs.

A Bews' Remedies Case.—At the Liverpool County Court, before Mr. Registrar Howarth, on January 28, a case was called in which Bews' Remedies Co., Ltd., whose registered office is at 37 Cable Street, Liverpool, sued Mr. A. S. Galloway, chemist and druggist, Church Street, Blackpool, for 2*l.* 13*s.* 4*d.*, the price of goods sold. A representative of Messrs. Whitley & Co., solicitors, Liverpool, appeared on behalf of the defendant, and it was stated that the claim was disputed. There being no appearance by or on behalf of the plaintiff company, the case was allowed to stand over till later in the day, so that the solicitor whose name appeared on the papers as acting for the company might be communicated with. Later the defendant's solicitor informed the Court that he had communicated with the solicitor for the plaintiffs, who had stated that it was not his intention to appear. The Registrar ordered the case to be struck out. The defendant's solicitor applied for costs, stating that his client had been brought there from Blackpool, and had also been obliged to bring a witness from Manchester. The Registrar allowed the defendant's costs, and directed that they should be made out at once so that the order might be drawn up.

Assistant's Engagement and Month's Notice.—Mr. J. A. Moore, chemist and druggist, Freeman Street, Grimsby, was at the local County Court on January 27 sued by a former employé, George Ernest Curtis, Bridlington, for 11*l.* 18*s.* for wages said to be due. There was a counterclaim by Mr. Moore for 5*l.* 8*s.* Plaintiff's case was that he was engaged by the defendant at 27*s.* per week as assistant, with a month's notice on either side. He commenced in March and worked up to March 29, and was paid for it. On that date, however, he was taken ill with pneumonia. He remained in Grimsby until May 3, when he was able to go home to Bridlington. He could not get a panel doctor of his own, and Dr. Swindell's bill came to 10*l.* He was ill up to June 30. In cross-examination, plaintiff said he expected a month's notice or a month's wages, but he did not get it. Plaintiff's father said when he went over to Grimsby, in response to a letter containing the news of his son's illness, he saw defendant, who said he wished to give him a month's notice for his son, to date from April 12. Witness accepted it, but defendant refused to pay any money, although a fortnight's was then due. Witness admitted in cross-examination that Mr. Moore had provided a nurse and luxuries for his son. "But," said witness, "it is all I should have done for one of my own 'prentice lads." On the suggestion of the Judge, Mr. Woolfe (appearing for defendant) agreed to leave the case in his Honour's hands without calling evidence for the defence, and the Judge thereupon found for the plaintiff for 4*l.* 5*s.*, the counterclaim being dismissed.

High Court Cases.

Unless when otherwise stated these cases have been heard in the High Court of Justice, London.

"Monster" Aerated Water.

In the Chancery Division on February 3, Mr. Justice Eve heard a motion for judgment on behalf of the plaintiffs in the action Sodastream, Ltd. *v.* Baker & Joy.

Mr. Hunter Gray said he asked for judgment in default of appearance. It was an action for infringement of trade-mark, and an order for destruction was asked for.

His Lordship: I cannot have the heart to destroy all this mineral water. You must modify the order for destruction to erasing or obliterating the word "Monster" wherever it appears on the cases or other receptacles in which the mineral waters are contained.

Mr. Gray: Yes, we will make the alteration.

The Judge: Then you can have judgment and an order forthwith to destroy. Costs in the inquiry to be reserved.

Surgical-instrument Makers Win Damages.

Damages assessed at 150*l.*, with costs, were granted by Mr. Justice Sargant in the Chancery Division on February 5 to Messrs. Bailey & Son, Ltd., manufacturers of surgical instruments, 38 and 40 Oxford Street, London, W., against Holborn & Frascati, Ltd., the well-known restaurateurs, for obstruction of ancient lights at the rear of the plaintiffs' manufacturing premises. Messrs. Bailey & Son had asked for an injunction to restrain Frascati's from erecting anything on their premises in Hanway Street or at the rear of the rooms for clerical work and the manufacture of surgical instruments which would darken those premises. The answer was that the plaintiffs never received material light over previously existing buildings, that the claim to ancient lights could not be upheld for certain windows, and that windows, in fact, had not been darkened. His Lordship, giving judgment, said he thought he was bound to give relief, as the plaintiffs were experiencing a nuisance, considered quite apart from other alterations for a third proprietor, in respect of which compensation had been paid. In considering the question whether he should grant a mandatory injunction, he had been at first unfavourably impressed by the speed with which a certain wall had been raised, but witnesses for the defence had convinced him that that speed was only a sample of the speed with which the whole work was carried out. As a mandatory injunction in the circumstances would be oppressive, he had to consider damages, and he took seven and a half years' purchase of an annual depreciation of 20*l.* Some of the leases were for nine years.

Shops Act, 1912.

Fireworks Cases in Bradford.

At the Bradford Police Court on January 29, twenty traders were summoned for keeping their shops open on the weekly half-holiday, Wednesday afternoon, November 5, 1913, for the sale of fireworks, and also on the Saturday following. In twelve cases the defendants were found guilty, and the maximum fine of 20*s.*, with 7*s.* costs,

was imposed. In other cases there were extenuating circumstances, and smaller penalties were inflicted.

Cases in Wales.

At the Bridgend (Glamorgan) Police Court last week, Gwilym Ivor Williams, chemist and druggist, Maesteg, was summoned for selling a box of carbolic tooth-powder during the closing-hours of the half-holiday, as to which there is a local order. The defendant, after questioning the inspector, who sent a boy into the shop for some tooth-powder, and got carbolic tooth-powder, submitted that chemists were exempt from the order in so far as the sale of drugs and medicines is concerned.—It was rejoined that the question in the Justices' mind was whether the tooth-powder was a medicine or a surgical appliance.—Defendant: Everything that is a drug is a medicine; it may be rubbed in or applied externally as well as internally.—The Chairman: The Bench decide this is not a medicine or a surgical appliance. You will be fined 10*s*.—Alfred Griffiths, chemist and druggist, Maesteg, was at the same time summoned on a similar charge, he having sold Jockey Club perfume. The defendant explained that a customer had called in a little while before the closing-time for eau de Cologne, which, he said, is exempt, as it is for application in the case of headache. He was engaged dispensing Insurance Act prescriptions at the time the boy came in, and gave the boy the perfume to get him out of the shop as quickly as possible. In this case also a fine of 10*s*. was imposed.

Sale of Toilet-soap during Closing Hours.

At the Willesden Police Court on January 29, Harold Walmsley, chemist and druggist, trading as A. J. Sarson & Co., 33 High Road, Willesden Green, was summoned at the instance of the Willesden District Council for contravening the Shops Act, 1912.

Mr. Reginald Graves, who prosecuted on behalf of the Council, said the summons related to an article which is not exempt when sold by chemists—viz., soap.

Mr. J. A. Male, shops inspector, deposed that he sent an assistant into defendant's shop on Thursday, November 27, to purchase a tablet of soap, which was served by defendant's assistant. Witness then visited the shop himself, and while waiting there he saw the assistant serve a customer with combs, which also are not exempted articles.

The Magistrate: Do you say soap is not exempted? Surely it might be needed for medical purposes.

Mr. J. P. Walmsley (solicitor for the defence): It might, sir, and certain soaps have medicinal qualities, but I am not urging that as a defence. Continuing, Mr. Walmsley said the soap was served by an assistant, who had strict instructions not to sell articles which are not exempted under the Act. In this instance the purchaser bought some seidlitz powders, which are exempted articles, and as an afterthought asked for a tablet of soap, which was served. The defendant held a wine-and-spirit licence, and a conviction against him might mean that he would have difficulty in securing the renewal, so under the circumstances he asked that any penalty which the Magistrate saw fit to impose might be by way of costs.

The Magistrate agreed to this course, and dismissed the summons on payment of 10*s*. costs.

Porter or Shop-assistant?

At the Dublin Police Courts on January 30, before Mr. Macinerney, K.C., Metropolitan police magistrate, Mr. James S. Corcoran, pharmaceutical chemist and wholesale druggist, appeared to answer the complaint of the Lord Mayor, aldermen, and burgesses of Dublin that, being the occupier of the shop 76 Talbot Street, Dublin, he failed to comply with the provisions of Section 1 of the Act by employing about the business of the shop a shop-assistant named Thomas O'Reilly for every day of the week ending December 6, 1913, after 1.30 P.M.

Mr. T. J. Burke, Assistant Law Agent, Dublin Corporation, appeared for the prosecution, and Mr. E. H. Byrne (Messrs. Gerald Byrne & Co., solicitors) for the defence.

Mr. Byrne at the outset submitted that the summons was bad, inasmuch as it was brought in the names of the Lord Mayor, aldermen, and burgesses of Dublin. He submitted that it should have been brought in the name of some individual informer, such as an inspector of the Corporation. A body corporate could not, he contended, lay the complaint.

Mr. Macinerney ruled against the objection, and decided to hear the summons.

Mr. Daniel O'Brien, inspector under the Act, gave evidence to the effect that he had seen Thomas O'Reilly in the store of the premises, 76 Talbot Street, weighing and measuring drugs for which Mr. Corcoran had contracts, as well as goods for the shop. In cross-examination witness admitted that Mr. Corcoran told him that O'Reilly was employed as a porter, that he washed the front of the shop, and took down the shutters.

Mr. Byrne quoted from the Home Office Memorandum of May 1912, which stated that in determining whether an employé is a shop-assistant two questions would have to be considered:

(1) Is he, or is he not, mainly employed in the shop? or in other words, is he engaged most of his time in work in the shop or is he engaged most of his time in work outside the shop—*e.g.*, in delivering goods, going round for orders, etc.?

(2) Is he, or is he not, mainly employed in connection with the serving of customers, or with the receipt of orders or with the despatch of goods? or, in other words, is he engaged most of his time on work of this kind, or is he engaged most of his time on other kinds of work not connected with the serving of customers, etc.—*e.g.*, in book-keeping, cleaning, etc.?

Mr. Bryne submitted that O'Reilly was not a shop-assistant. Though Mr. Corcoran was primarily instructing him (Mr. Byrne) he was appearing also for the Chemists' Defence Association. That body had been advised that men performing the same work in England as O'Reilly was doing for Mr. Corcoran are not shop-assistants.

Mr. Macinerney suggested that O'Reilly should be produced as a witness, but was informed that he was not present in court.

Mr. Byrne said Mr. Corcoran himself was present; he could not be examined on oath, but he would make a statement.

Mr. Corcoran said he had engaged O'Reilly when he was a small boy, and he is still a porter. He washed the floor when he came in in the morning, cleaned the windows, and lighted the fire; if there were barrels or boxes to be brought to the premises he went down to the quays with a float and brought them back; and if there was anything to be done in the shop he did it—getting up oil and such things from the store into the shop. He was part of his time in the shop, but the most part of his time was spent in the store or outside with the float. He was more a carter than a shop-assistant.

To Mr. Burke: If he went to the shop and wanted linseed oil he could get it from O'Reilly.

Mr. Macinerney said the point raised was the most miserable he had ever heard. Why should not O'Reilly get his half-holiday the same as the other assistants?

Mr. Byrne said it was not a question of whether O'Reilly should be deprived of a half-holiday. There were a number of others whose position as regarded the half-holiday depended upon whether O'Reilly was entitled or not.

Mr. Macinerney adjourned the further hearing until Friday, February 13, in order that O'Reilly may be produced to give evidence.

BANKRUPTCY REPORT.

Re Alfred Henry Jesser, Salisbury House, London Wall, E.C., Chemist and Druggist, now manager and sole director of Jesser, Ltd.—This debtor again attended last week before Mr. Registrar Hood, at the London Bankruptcy Court, for further examination upon accounts showing liabilities 1,263*l*. 11*s*. 4*d*. to rank against assets valued at 40*l*. 5*s*. 9*d*. Mr. W. P. Bowyer, Official Receiver, reported that the debtor had not yet filed the accounts ordered on the last occasion (see *C. & D.* Supplement, December 1, 1913). The examination was again adjourned until February 26.

LIMITED COMPANIES.

New Companies Registered.

P.C. means Private Company and R.O. Registered Office.

R. H. Barrett, Ltd. (P.C.).—Capital 5,000*l.*, in 1*l.* shares. Objects: To take over the business of a glass-bottle manufacturer and dealer carried on by R. E. Barrett at The Oval, Cambridge Heath, London, N.E., together with the patents relating to glass-bottle making, and machines, furnaces, and other property. The subscribers are Mrs. R. E. Barrett and C. R. Goodbody.

Pratie Soap and Chemical Manufacturing Co., Ltd.—Capital 10,000*l.*, in 1*l.* shares. Objects: To adopt an agreement with A. Olthof, to work and develop the secret process referred to therein, and to carry on the business of engineers, manufacturers of machinery, metallurgists, chemists, soap-makers, etc. A. Olthof is the first managing director. R.O., Balfour House, Finsbury Pavement, London, E.C.

Eschmann Bros. & Walsh, Ltd. (P.C.).—Capital 6,500*l.*, in 1*l.* shares. Objects: To carry on the business of surgical-instrument makers as formerly carried on at 23 and 24 Bartholomew Square, London, E.C., as "Eschmann Bros. & Walsh," and to adopt an agreement with W. A. Butler. The first directors are W. A. Butler (permanent), E. W. Broad, A. C. V. Fenner, and S. N. Griffiths. R.O., as above.

Company News.

Stolz Electrophone Co. (London), Ltd.—By an order dated January 22, Mr. A. F. Whinney, 4 Frederick's Place, Old Jewry, London, E.C., C.A., was appointed liquidator in place of Mr. E. Thorpe.

D. N. Stewart, Ltd. (Chemists).—A meeting of the creditors of the above-named company (in voluntary liquidation) will be held at the offices of William Walker, liquidator, Magazine Street, Londonderry, on February 12, at 12 o'clock.

G. B. Kent & Sons, Ltd.—A dividend of 5 per cent. for the year ended September 30 was declared on the ordinary shares at the annual general meeting on January 29. The report of the directors and the accounts show a balance of profit for the year of 12,522*l.* 11*s.*, leaving, after deduction of interest, directors' fees, and interim dividend, a balance of 8,640*l.* 13*s.* 3*d.* for distribution. It is stated that the sales for the year did not quite equal those of the previous year, partly owing to the United States tariff; but the first quarter of the present year constitutes an easy record, and the directors have every reason to be satisfied with the prospects for the current year.

Parke's Drug Stores, Ltd.—The annual meeting was held at the offices of the company, 65 Harmood Street, N.W., Mr. P. Warnford-Davis presiding, and, in moving the adoption of the annual report, he referred to the improvement, this being principally due to the fact that the insane competition of the past three or four years had run its course for the time being. Regarding the influence of the Insurance Act on the company's business, Mr. Warnford-Davis said "the additional work has meant a very big business for us. We have had to increase our staff, and in some cases we have had to open fresh premises in order to deal with this extra business. The balance-sheet was reviewed at length, and the Chairman looked forward with confidence to the payment of a larger dividend. The report (see *C. & D.*, January 24, p. 41) was unanimously adopted.

T. & H. Smith, Ltd.—The report for the year ended September 30, 1913, to be presented at the meeting at Edinburgh on February 9, states that the profit for the year, after charging debenture interest, directors' fees, and making provision for bad debts, is 14,587*l.* 6*s.* 5*d.*, to which is added the balance (1,333*l.* 4*s.*) brought forward from last year—together 15,920*l.* 10*s.* 5*d.* From this is deducted the interim dividend paid on the preference shares for the half-year to March 31, 1913, amounting to 1,584*l.* 7*s.* 6*d.*, leaving a balance of 14,336*l.* 2*s.* 11*d.* at the credit of profit-and-loss account as at September 30, 1913. Out of this the directors recommend a dividend on the preference shares in respect of the half-year to September 30 (1,584*l.* 7*s.* 6*d.*); also to pay a dividend on the ordinary shares in respect of the year to September 30, 1913, of 7½ per cent. per annum, free of tax (4,875*l.*). They also propose to set aside a bonus of 1,250*l.* to the employés, and to place a sum of 5,000*l.* to reserve, making the sum at credit of this fund 12,500*l.*, leaving a balance of 1,626*l.* 15*s.* 5*d.* to be carried forward. The stocks have been valued on a conservative basis, and ample provision has been made for bad and doubtful debts. Mr. Donald Mackenzie, the retiring director, offers himself for re-election.

BIRTHS.

Authenticated notices are inserted without charge.

Robertson.—At 1 Rustic Place, Broughty Ferry, on January 28, the wife of Henry B. Robertson, chemist and druggist, of a son (stillborn).

Stewart.—At Pretoria, on January 8, the wife of A. H. Stewart, pharmacist, of a son.

MARRIAGES.

Authenticated notices are inserted without charge.

O'Byrne—Fitzpatrick.—At the Church of the Immaculate Conception, Clondalkin, on January 26, by the Very Rev. Canon Baxter, P.P., assisted by the Rev. Father Benedict, O.S.F.C., James P. O'Byrne, Edenvilla, Tyrconnell Road, Inchicore, eldest son of the late Sylvester C. O'Byrne, to Annie Genevieve (Cissie), elder daughter of the late Mr. Joseph Francis Fitzpatrick and of Mrs. Dunne, 39 Benburb Street and Avonbeg, Blue Bell, Co. Dublin.

Stark—Anderson.—At St. Andrew's Church, Kowloon, Hong-Kong, by the Rev. N. C. Pope, M.A., on January 2, Charles Crawford Stark, London, to Patricia Young, youngest daughter of the late Mr. A. B. Anderson, chemist and druggist, Dundee.

Thomson—Pearmund.—At the Church of King Charles the Martyr, on February 2, by the Ven. Archdeacon Scott, assisted by the Vicar of the parish, the Rev. Arthur W. Oliver, Robert Mitchelmore Thomson, of the Stock Exchange, London, to Sylvia Catherine, only daughter of the late Mr. H. S. Pearmund, Ph.C., and Mrs. Pearmund, of Tunbridge Wells.

Whiffen—Wheatley.—At Holy Trinity, Roehampton, on January 31, by the Rev. P. Clementi-Smith, M.A., C.C., rector of St. Andrew-by-the-Wardrobe, City, and chaplain to the Lord Mayor, assisted by the Rev. W. J. Somerville, rector of St. George the Martyr, Southwark, George Goodman, third son of Mr. and Mrs. Thomas J. Whiffen, of Cerris House, Putney, and of Barn Rocks, Aldwick, Sussex, to Winifred Edith (Freda), elder daughter of Mr. and Mrs. Angus Wheatley, Neswick, Wimbledon Common.

DEATHS.

Authenticated notices are inserted without charge.

Aldrich.—At Castle Street, Eye, on January 31, Mr. John Bennett Aldrich, J.P. Although only twenty-eight years old, Mr. Aldrich had gained a prominent position in the business and social affairs of the town. He was a son of the late Mr. H. E. Aldrich, of Diss, and had carried on business in Eye for six years. He was Secretary to the Eye Musical Society and the Debating Society, of which he was a past President. A keen footballer, he acted for some time as Secretary to the Town Club. He was appointed on the Commission of the Peace for the borough last year. Mr. Aldrich's geniality, enthusiasm, and usefulness had gained for him a wide circle of friends. The funeral took place at Diss on February 4.

Beedle.—On January 20, Mr. George Charles Richards Beedle, chemist and druggist, Axbridge, aged eighty-two. Mr. Beedle was in business in High Street, Axbridge, for thirty years.

Blow.—At Whitley Bay, on February 3, Mr. John Blow, chemist and druggist, aged seventy. Mr. Blow was for a many years in Sheffield, but retired into private life some sixteen years ago. He was a native of Spilsby, Lincs, and passed the Modified examination in 1869. Mr. H. Antcliffe, pharmacist, Sheffield, is his son-in-law.

Carrington.—At Wincanton, Somerset, on January 16, Mr. Ebenezer Thomas Carrington, chemist and druggist,

23 High Street, Wincanton, aged seventy-four. Mr. Carrington was in business before the Pharmacy Act of 1868.

Hely.—At the Medical Hall, Cappoquin, co. Waterford, on February 1, Mr. John Hely, Ph.C. Mr. Hely became a licentiate of the Pharmaceutical Society of Ireland in 1879. The funeral took place at Affane on February 3.

Taylor.—On January 26, Mr. Arthur Bertie Taylor, chemist and druggist, of Messrs. Taylor, Gibson & Co., wholesale chemists, Newcastle-on-Tyne, aged fifty-four. Mr. Taylor was the son of Mr. William Taylor, chemist, of Warsop, and afterwards of Sheffield. He was educated at Sheffield Grammar School and served his apprenticeship with Messrs. Cubley & Preston, Sheffield. Thirty years ago he went to Newcastle as manager for Mr. J. Roberts, and remained there a few years, leaving to go to Wand, of Leicester. After some time there he joined Messrs. Davy, Yates & Hicks, for whom he travelled for eleven years. He was well known on the road and resided in Newcastle. About twelve years ago he opened a retail business in New Bridge Street, Newcastle, and afterwards took over that of Mr. Roberts and the old-establ shed one (1758), of Messrs. Taylor, Gibson & Co., in the Bigg Market. The funeral took place at St. Andrew's Cemetery on January 28.

BUSINESS CHANGES.

Authenticated information for this section will be received by the Editor, and published, if not in the nature of advertisement.

The Stockport Industrial and Equitable Co-operative Society, Ltd., has opened a new drug department.

Mr. Jackson, chemist, has purchased the business of Mr. H. S. Heath at High Street, St. Mary Cray, Kent.

Mr. H. H. Cuthbert, chemist, has purchased Mr. Kelf's branch business at 3 Station Parade, Shortlands, Kent.

Mr. F. Barton-Dell, chemist, has bought the business of Messrs. Dunkley & Rogers at High Street, Tunbridge Wells, Kent.

Mr. C. T. Fletcher, chemist, has taken over the business of the Howarth Drug Co., 158 Eccles New Road, Weaste, near Manchester.

Mr. Mills, chemist, Terminus Road, Eastbourne, has had his double-fronted shop converted into a single-fronted up-to-date pharmacy.

Mr. A. E. Houston, chemist and druggist, has sold his business at Alfreton, Derbyshire, where he has been for many years, and taken a large one at Consett, Durham.

Arrangements have been made so that the business of the late Mr. John B. Aldrich, J.P., at Castle Street, Eye, is at present under the charge of his brother-in-law, Mr. Frank G. Hines, chemist-optician.

The business carried on for upwards of fourteen years by Mr. W. Maskew, Ph.C., at 26 and 27 Electric Parade, Clacton-on-Sea, has been purchased by Mr. Mark H. Bennett, D.B.O.A. The valuation was carried out by Mr. Brett, of Leicester, who acted for both parties. For the time-being Mr. Bennett will trade under the old name. Mr. Maskew's private address is Tower Lodge, Clacton-on-Sea. He is leaving the retail, but hopes to remain in touch with all that concerns pharmaceutical and optical organisation.

Mr. R. A. Cripps, F.I.C., manufacturing pharmacist and wholesale chemist, D'Avigdor Road, Hove, has taken his son, Mr. Douglas H. Cripps, chemist and druggist, into partnership. The business, which was started by Mr. Cripps at Haywards Heath in 1894, will be continued under the firm-name of R. A. Cripps & Son. Mr. Cripps, sen., has informed his staff that the firm is introducing a comprehensive bonus scheme for the benefit of employees who have attained the age of twenty-one and have been three years in his employ.

Scarborough and North Riding Association of Pharmacists.—The annual dinner will be held at Scarborough on February 18. Tickets from Mr. W. H. Newton, Hon. Secretary, 82 Castle Road.

WINTER SESSION

of Meetings of Trade Associations.

Others are reported under "Insurance Act Dispensing" when the subjects pertain chiefly to that Section.

Blackburn.—The annual meeting of the North-East Lancashire Chemists' Association was held at the Victoria Hotel on February 2, Mr. W. H. Grimshaw presiding. Mr. R. Lord Gifford, J.P., referred to the fact that Mr. Grimshaw had completed his second year as President of the Association, and he moved a vote of thanks to him for his services. The resolution was carried with acclamation. Mr. Grimshaw moved the election of Mr. C. A. Critchley as *President*, and this was agreed to. Other officers elected were: *Vice-President*, Mr. W. H. Grimshaw; *Treasurer*, Mr. J. W. Openshaw; *Hon. Secretary*, Mr. C. A. Critchley; *General Secretary*, Mr. Fred Law; and *Committee*, Messrs. R. L. Gifford, C. A. Critchley, W. H. Grimshaw, C. M. Parkinson, Schofield, J. W. Openshaw, B. Holden, W. H. Lightbown (Darwen), and W. Holt. Messrs. Morphew & Co. and Messrs. Beswick, Ltd., were elected new members. It was decided to become affiliated with the Blackburn Chamber of Trade, and Mr. Parkinson and Mr. Law were appointed the delegates.

Cardiff.—The annual general meeting of the Cardiff Pharmaceutical Association was held at the Angel Hotel on January 28, Mr. G. Thomson Williams presiding. There was a large attendance of members. A letter was read from the Newport Association asking the co-operation of the Cardiff Association in an endeavour to get the Board of Trade to compel all ships to obtain a certificate signed by a qualified chemist to say that the ship was supplied with medical requisites according to the Act. This was agreed to. The Cardiff Grocers' Association asked the chemists to unite in protesting against the proposed monopoly in Army trading, and submitted a form of resolution to be sent to the Secretary for War. This also was agreed to. As a result of the recent conference, by which the districts of Pharmaceutical Associations are to be co-terminous with Insurance districts, the Barry and Penarth Association suggested that they should be allowed to continue affiliated to the Cardiff Association on payment of a nominal fee. After some discussion this was agreed to. *The Annual Report* showed that the Association is in a sound and prosperous condition, financially and otherwise. The report having been adopted, the President vacated the chair in favour of Mr. W. R. Williams, his successor, and took the opportunity of thanking the members for their co-operation and support during the past year. Mr. Williams thanked the meeting for the honour they had conferred upon him, and in the course of *an interesting address* gave a *résumé* of the past twelve months' working of the National Insurance Act in the district. The amount of illness that had developed during the year was hardly credible, and the quantity of medicine that had been consumed was enormous. During the year in Cardiff there had been dispensed 200,000 prescriptions, written by seventy-two panel doctors and dispensed by fifty-two panel chemists. Taking the average mixture of 8-oz. capacity, this represented 10,000 gals. of medicine, a pint and a half to every insured person, or, roughly, 3,000,200 doses. This state of affairs the most sanguine of them never hoped for a few years ago, and it is doubtful if the most far-seeing of them could have anticipated such a revolution in dispensing. Already insured persons realised that they get better medicine and attention than under the old club *régime*. As pharmacists, their thanks were due to the Standing Committee in London and also to their own local Insurance Committee for their untiring efforts. Mr. Williams also spoke of some important matters still to be considered. In regard to payment of chemists' accounts, he said they were entitled to more consideration in this respect than they had yet received. Accounts rendered at the end of the quarter should be paid to the extent of 75 to 80 per cent. before the end of the month in which they fell due. It had been impossible to induce the doctors to view the Rep. mist matter in a reasonable light, but there should be sufficient unanimity among themselves to refuse all such prescriptions. About eighteen months ago there were only about half-a-dozen live Associations in Wales, but now there are about twenty-six, with a membership of nearly 600 pharmacists, and by organisation they had obtained many valuable concessions from the Insurance Commissioners.

Cheltenham.—Mr L. L. Stroud presided at the annual meeting of the Cheltenham, Gloucester and District Pharmacists' Association at the Plough Hotel, Cheltenham, on January 29. The Treasurer's report showed a balance in hand of 14*l.* 10*s.* 6½*d.* Mr. F. T. Palmer was unanimously elected President for the coming year, with Messrs. W. H.

Hill, W. H. Hampton, and H. B. Clark as Vice-Presidents. Mr. T. T. Dolman was re-elected Treasurer and Secretary. Messrs. Stroud, C. H. James, and J. A. Thomas were elected to constitute the Committee with the *ex-officio* members. The Formulary Committee was also re-constituted, with the idea of bringing out a new edition of the Cheltenham Formulary at an early date.

Chemists' Dental Society.—The Hon. General Secretary, Mr. Benson Harries, 84 Commercial Road, Newport, Mon., is sending out to members a memorandum as to insurance scheme. In this it is stated that members are insured against accidents and mistakes in dental practice under Policy No. 35019 of the National Benefit Life and Property Insurance Co., Ltd. (head offices, National House, Newgate Street, E.C.), covering 100*l.*, in addition to any legal expenses. A member becomes entitled to the benefit of the policy when he pays his subscription for the current year. His name is then scheduled to the policy, and a contract is established between himself and the company. The Society has no responsibility to the member beyond transmitting his name to the company and paying the premium. The premium for personal insurance of members is included in the 1*l.* 1*s.* annual subscription, and there are extra charges of 2*s.* 6*d.* for each assistant under personal supervision of a member and 10*s.* 6*d.* for each manager in charge of a separate place of business. There are certain conditions attached to the policy which members must observe.

Dover.—The thirty-eighth annual meeting of the Dover Chemists' Association was held at the Hôtel Métropole on January 30. Mr. F. J. Brown was in the chair, and ten other members were present. Mr. Brown was re-elected *President*, Mr. R. M. Ewell *Treasurer*, and Mr. E. W. Ewell *Hon. Secretary*. Messrs. R. M. Ewell, Forster, and Withers were elected to represent the Association at the annual meeting on February 18 of the Kent (County) Pharmacists' Association. Various points regarding Insurance dispensing came up for discussion. The meeting closed with votes of thanks to the officers.

Isle of Wight.—A meeting of the Pharmacists' Association was held at Ryde Town Hall on January 28, Councillor H. H. Pollard, J.P., in the chair. It was decided that in future all meetings should be held at Ryde on Wednesday afternoons. After a long discussion on the Insurance Commissioners' decision as to dispensing-fees, the Secretary was instructed to refer the matter back for their further consideration. As a result of medical grumbles as to the quality of Insurance G.O.W. bandages, it was decided to suggest the supply of best quality W.O.W. bandages at the rate of 1*d.* per in. width. Much interest was aroused by something not connected with Insurance dispensing—viz., a co-operative buying scheme. A committee was appointed to deal with this and report to the Secretary (Mr. H. J. Sadler).

Liverpool.—The annual meeting of the Liverpool Chemists' Association was held on Wednesday, January 28. Mr. H. Humphreys Jones, F.C.S. (President), occupied the chair. The following were elected members of the Association: Messrs. Carrie, Lowe, Sleggs, Pottage, T. E. Lloyd, R. E. Lloyd, Angel, W. Wyatt, and Freeman. A donation of four volumes of the "Year-book of Pharmacy" was announced by the President, this completing the set in the library. The donor, Mr. J. W. Clayton (Messrs. Clayton & Jowett, Ltd.), was heartily thanked on the motion of Mr. T. B. Wokes. *The Annual Report* was read by the Secretary (Mr. J. H. Robinson). It gave a concise and business-like account of the work of the Association during the last twelve months. This was the sixty-fourth annual report, and never probably in the long history of the Association did a report show such a record of strenuous work, both in the number of meetings held (twenty-five) and in what was actually accomplished. Mr. Last moved, Mr. Prosper H. Marsden seconded, and it was carried that the report be adopted, printed, and circulated. The report of the Pharmaceutical Insurance Committee was read by the Secretary (Mr. G. V. C. Last), who was heartily congratulated and thanked for the enormous amount of labour he had put in as Secretary of the Committee. Mr. Parry remarked that the Liverpool Tariff is a model one; other Tariffs bore no comparison with it, thanks mainly to the Secretary. Mr. Prosper H. Marsden moved, Mr. Prebble seconded, and it was agreed that the report be adopted. Mr. W. Wellings (Treasurer) read *the Financial Report*, which showed a credit balance of over ten pounds, in spite of an exceptional year as regards expenditure. *The election for six new members* to serve on the Council for two years resulted in Messrs. D. H. Evans, G. V. C. Last, H. H. Marsden, E. Prebble, T. S. Wokes, and Harold Wyatt being the successful candidates. The following officers were elected: *Hon. Secretary*, Mr. John H. Robinson; *Treasurer*, Mr. W. Wellings; and *Vice-President*, Mr. W. F. Laycock. The President said that he was particularly glad that the meeting had unanimously elected Mr. Robinson as the Secretary. He (the President) was of opinion that never had the Association a more loyal, hard-working, and enthusiastic official, and although the keenest critic that the Pharmaceutical Society has in Liverpool, yet Mr. Robinson is one of its strongest supporters. It was fitting that Mr. Robinson should occupy the post another year, especially as the Secretary would now, under the new federation scheme, be the official representative of the Society in Liverpool. Mr. Robinson, in thanking the Association for the confidence reposed in him, acknowledged his indebtedness to the President, who, he said, had been in communication with him practically every day, and oftentimes several times a day, during the year. The President announced that he would defer the delivery of his Presidential address to a future evening. As it would be in the form of a scientific contribution, he considered it would be wise to put it off in view of recent happenings in pharmaceutical politics. He expressed his great delight at the findings of the conference of delegates in London, which were in accordance with his own views on linking up. Had he know earlier of this turn of events, he would have delivered an inaugural address in the form of a "Review of the Past History of the Liverpool Association and its Future Possibilities." Messrs. Hirst and Last, who represented Liverpool at the conference, paid a high tribute to the businesslike manner in which it was carried through. They attributed the turn of events principally to three great personalities on the platform—viz., Messrs. Glyn-Jones, Uglow Woolcock, and Edmund White. Mr. L. Moreton Parry remarked that the Pharmaceutical Council placed themselves entirely in the hands of the delegates.

London.—At the annual meeting of the Public Pharmacists' and Dispensers' Association held at St. Bride Institute, London, E.C., on January 28, the following officers were appointed for 1914: *President*, Mr. T. H. W. Idris, J.P.; *Chairman*, Mr. Jas. H. France; *Vice-Chairman*, Mr. R. Welford; *Hon. Secretary*, Mr. Geo. W. Gibson, St. Pancras South Infirmary, Pancras Road, N.W.; *Hon. Treasurer*, Mr. H. H. Hewitt; *Hon. Secretary* ("*Poor-Law Section*"), Mr. R. W. Lindsey; *Council*, Messrs. F. N. Clark, W. Cooper, A. J. Gibbons, A. Howell, W. E. Kinsman, W. E. Miller, and W. H. Windmill. Mr. Herbert Antcliffe (Sheffield) was elected a member of the Association.

London Assistants.—The meeting of the Chemists' Assistants' Association held at the Bonnington Hotel, Southampton Row, London, W.C., on January 29, was presided over by Mr. F. W. Crossley-Holland (the President). There was a good attendance to hear Mr. Frank Curry give his lecture on "Tuberculine." A profitable discussion followed the paper, in which the Chairman and Messrs. W. Browne, F. S. Clark, A. R. Melhuish, J. Clark, S. White, S. Jamieson, and E. H. Brittain took part. The points discussed included the standardisation and future of tuberculins from the pharmacists' standpoint.

Manchester.—At a meeting of the Chemists' Assistants' Association of Manchester, Salford, and district in the Biological Lecture Hall of the Manchester University on January 28, Mr. D. Thoday, M.A., gave a lecture on *Field Botany*, which was much appreciated by a large company.

Nottingham.—A social meeting of the Nottingham and Notts Pharmaceutical Association was held at the Victoria Station Hotel on February 4. Mr. Robson introduced the subject of *The Prescribing of Unusual Proprietaries*. When these are prescribed at holiday times and after hours it is almost impossible to obtain them without giving unnecessary trouble to the customer. It was generally agreed that the medical men who thoughtlessly ordered these preparations at such times are wanting in consideration for their patients.

Preston.—A district meeting, under the ægis of the Pharmaceutical Society, of chemists in North Lancashire and surrounding areas was held at the Park Hotel, Preston, on January 29. Mr. R. Lord Gifford occupied the chair, and was supported by Alderman Harrison, of Sunderland, and Mr. F. Pilkington Sargeant, of Leeds, members of Council. Mr. Woolcock was also present. There was a good attendance of pharmacists from Blackburn, Blackpool, Wigan, Lancaster, Burnley, Preston, and other centres. The Chairman dealt with the policy of the Council with reference to the National Insurance Act, the organisation of the members of the Society, and other details of the Council's work. Mr. Sargeant followed with an address dealing particularly with the outstanding deficiencies of the Insurance Act and the necessity for its amendment. Mr. Harrison gave a *résumé* of the various progressive steps which had been taken in past years, and which had led up to the present position of pharmacy in Great Britain. An interesting discussion followed, and a vote of thanks to the principal speakers terminated the meeting.

Sheffield.—At a meeting of the Pharmaceutical and Chemical Society on January 28, Mr. J. Gilbert Jackson in the chair, a paper entitled "Pharmacists and the Laws of Contract" was read by Mr. Bernard Ellis, pharmacist and barrister-at-law. Mr. Ellis traced contracting back to the Anglo-Saxon days; but, commencing on definite lines in the reign of Charles II., the present laws are administered under the Statute of Frauds, 1676, and the Sale of Goods Acts. Mr. Ellis dealt with the chief points that bear upon contracts. He mentioned that a contract of record is a county court judgment; that simple contract is either by writing, by word of mouth, or by conduct. As an example of contract by conduct, some amusement was caused by the lecturer mentioning the name of a confirmed bachelor member of the Society: if he should say to Angelina at the chemists' dance the following night, "Wilt thou be 'mine?" If she put her head on his shoulder, looked into his eyes, etc., her conduct was sufficient acceptance of that offer. The mere fact of an omnibus running in the street constitutes a general offer, and if anyone puts up his umbrella to stop it that constitutes an offer and acceptance, therefore a contract. To put goods in a shop-window with a ticket on them stating a price is an offer, and any person might insist on them being sold to him at that price. Contracts binding a person on leaving the service of one employer not to enter a similar business within a certain time or distance are binding providing they are reasonable. A prohibition of ten years and forty miles would be held to be unreasonable, but two miles and two or three years would be reasonable. In the course of other explanations, Mr. Ellis advised chemists to refuse to purchase a business unless the following conditions are complied with satisfactorily:

1. How long has the vendor been in the business?
2. Is the vendor willing for an accountant to examine the books?
3. Is the vendor willing for a solicitor to examine the books?
4. Is the vendor willing for the purchaser to come into the business for fourteen days?
5. Is the vendor willing to take part payment, and remainder in one month if the purchaser is satisfied?
6. Is the vendor willing for a valuer to take stock of fittings, etc.?
7. Inquiries to be made if fixtures belong to landlord.
8. Inquire from trade protection society as to vendor's credit.

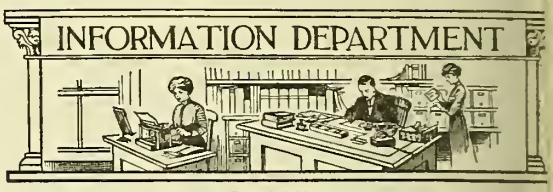
A general discussion followed, in which the President, Messrs. J. T. Appleton, H. Antcliffe, and A. H. Culverhouse joined. The following questions were put and answered:

Can you force the delivery of a motor-car promised for a given date?—*Answer*: Yes.

Can an apprentice be made to fulfil an agreement that he shall not commence in business after his apprenticeship in the same town?—*Answer*: Yes, as the apprenticeship was made for his benefit.

The President proposed a vote of thanks to Mr. Ellis, and Mr. Antcliffe, in seconding, mentioned an interesting point with regard to the Statute of Limitations, which, he said, in the case of goods supplied under the Poor Law came into operation three months after the end of the official half-year during which the articles were supplied. There was always a difficulty about getting accounts rendered to Poor Law institutions, and he thought this would not be so frequent if tradespeople knew the provision of the law (the Poor Law Payment of Debts Act, 1859). The legal liability in these cases could be extended by an order of the Local Government Board, but only for one year from the date of the debt. Mr. A. J. Appleton (of Darnall) was re-elected a member of the Society. It was mentioned that he was a founder of the Society in 1867. Mr. J. G. Elmitt (27 High Street) and Mr. C. P. Gilbert (338 Abbeydale Road) were elected associates.

Ulster Drug-trade Association.—The annual meeting was held on January 29 at the offices of the Chemists' and Druggists' Society of Ireland, 11 Waring Street, Belfast. The President (Mr. James Tate) was in the chair, and there was a good attendance. Mr. J. Guiler (Hon Secretary) submitted the annual report, which stated that the objects for which the Association had been established had been fully realised. The special feature of the year has been the revision and issue of an up-to-date edition of the Association's price-list. Mr. W. J. Rankin (Hon. Treasurer) presented the financial statement, which was considered satisfactory. The report and statement of accounts were approved. Mr. Jas. Tate was re-elected *President*, and the other appointments were: *Vice-Presidents*, Mr. R. W. McKnight (Carlisle Circus) and Mr. J. D Carse (Woodstock Road); *Treasurer*, Mr. W. J. Rankin (Waring Street); *Hon. Secretaries*, Mr. Jas. Guiler (89 Ormeau Road) and Mr. W. R. H. Orr (165 Ormeau Road); *Committee*, Messrs. W. J. Hardy (Castle Place), Wm. Haslett (Ballynafeugh), Wm. Martin (Antrim Road), D. Perry (Messrs. T. McMullan & Co., Victoria Street), T. N. Moffett (Crumlin Road), J. Montgomery (Royal Avenue), A. McNaught (Queen's Bridge), S. Suffern (Shankill Road), W. E. Wilson (Messrs J. & J. Haslett, Ltd., North Street), and J. A. Woods (Ballymena). These are all the old officers, with the exception that Mr. Woodside succeeds on the committee Mr. J. Allen (of Lisburn), that gentleman having emigrated to Canada.



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Postal or telephone information as to the names and addresses of the agents for or makers of the undermentioned articles is solicited. Please address as above.

107/56. "Solubloids": maker.
106/74. "Badger oil": what is it?
108/63. "Niblick" tooth-brush.
108/65. "Three Bells" eau de Cologne.
109/37. "Borcholin."
105/73. "Eau Regenatrice du Dr. Wackson (vegetale noire)."
111/8. "Ethione."
111/900. Lacoste's dentifrice liquid.
109/73. "Jaboline" (Derrick & Duke).
111/23. "Solavo": address of makers.
111/9. Lactalbumin.
114/18. Horrocks's adjustable trusses.
114/20. Bright's artificial Canada balsam.
113/73. "Daisy" rubber gloves (for household use), made in U.S.A.: English supply.
114/28. "Periodic" sanitary towel, compressed (French manufacture); trade-mark: "G. D." on red cross in circle, wording around "Indispensable pour le voyage."
113/73. "Daisy" rubber gloves for household use (made in U.S.A.).

INFORMATION SUPPLIED.

Inquiries in regard to the following articles have been answered. The information will be given to others who send a stamped and addressed envelope for it to the above address.

Alexander's pumice-soap, 114/180
Anti-obesity tablets, 116/19
Ayrton sterilisable enema, 111/37
Barrett's eye ointment, 107/74
Benzidine, 107/360
Benzoyal peroxide, 108/62
Bliss's native herb oil, 106/35
Butler's rosemary hair-cleaner, 114/16
Camera cases (inexpensive), 108/66
Casophos, 114/40
Chamois-leather dressers, 105/58
Cirola bark extract, 105/54 and 112/44
Coconut oil, 107/38
Cole's family ointment, 114/21
Clark's female pills (Fisk's), 112/730
"Comprimella" perfumes, 113/68
Davis & Lawrence Co.'s preparations, 114/17
Digestive teas, 108/51
Drysules, 114/39
Durona white-rubber plaster, 107/46
Ems pastilles, 107/36
Este's turned-wood boxes, 105/35
"Everclean" brush, 105/38
Florence Manufacturing Co.'s products, 114/17
"Fram" microscopes, 114/18
"Fuo," 112/45
"Geisha" crêpe toilet-paper, 114/181
Gillette douche, 111/22
Grenoville's perfumery, 116/20
Homœopathic pilules (unmedicated), 220/20
Houbigant's perfumery, 109/28
Hydroquinine hydrochlor., 109/29
"Hygeia" feeding-bottle, 114/15
Igazol vaporisers, 104/50
"Ivorine" protective tissue, 108/63
Johnson's gold chloride, 111/36
Lactona, 114/19
Lanoline, anhydrous (Continental supply), 107/38
Lithyol, 107/36
Luetin serum, 108/60
Machinery for soapstone mixing, etc., 108/61
"Medallion" brand gold chloride, 111/360
"National" brand sugar of milk, 113/16
Nazalia, 108/64
Neiveline, 116/21
Sodium hyposulphite, 111/362
Triphenylstibinsulfid, 111/7
Vino vitæ, 108/65

OBSERVATIONS AND REFLECTIONS.

By Xrayser II.

'our Winter Issue

is as full as ever of interesting matter n a most attractive form. Here are flowers enough and oney enough; the difficulty for a busy bee like myself s to know where first to settle. I have sipped a little ere and there, but am not yet surfeited. Mortars and rug-pots, London historic houses, the history of nutmegs nd mace—these all afford "matter wherein right voluble am," but there is a peculiar attraction to the story of ripe-water in the fact that it stirs in me the reminiscent ein. I was an assistant in Nottingham not many yards rom the Market Place at the time when Mr. Woodward's reparation was still in its adolescence, and your sketch ecalls vividly my experience in a business very much ike his. A prophet is not without honour save in his wn country, and I need not say that we did not enourage the demand for a rival's nostrum. Time, however, was on Mr. Woodward's side, and even in Nottingham there can be no jealousy of him now. Your nore up-to-date articles on advertising, window-dressing, nd other current topics have a different sort of appeal; hey show how strenuous the career of the pharmacist is, ut not, I think, that it is more so now than it was at he time of which I have been writing. Referring again o drug-pots, the statement on page 146 that artistic harmaceutical pottery had its origin in Italy is rather ash. The earliest extant specimens I have seen are talian, but the majolica ware of which they are made riginated in Spain, and it would be strange if drug-jars s well as other things were not made there before this are was imitated at Faenza. The statement to which I refer is, indeed, corrected by your article on Hispano-Moorish pottery on page 176; these Moorish potters are elieved to have derived their art in the first instance rom a Persian source.

The History of Pharmacy

has still to be written, and he will be a bold man who undertakes the task. The origins of the art are obscure, the whole story is confused with matters that have but a slight connection with it. The river (so to speak) not only has many sources, but its waters were long in so mixing as to form the pure stream of pharmacy as we now understand the term. It is not until 1597 that the term itself, in its modern sense, occurs in English, and then it appears in a translation, and in a foreign form. Your remark that until the middle of the nineteenth century pharmacy was the only road to chemistry is, I venture to think, open to exception. It may have been the only road at that time, but surely alchemy was the first father of chemical science. This, however, is by the way. It is more to the point that they who make history are often unconscious that they are making it, and that we who profit by their labours take so little interest in them, except as they bear upon "the main chance." That the British Pharmaceutical Conference should set up an historical section is greatly to be desired, but I fear it would be a small one if interest in historical questions, as such, is necessary. Fortunately it need not be large to be effective, and it may be hoped that the offer you are now able to make of Wootton's "Chronicles" at such a low price will stimulate us to a greater interest in our historic past. Though not a history, the "Chronicles" are admirable *mémoires pour servir*. English pharmacists ought not to lag behind their Continental brethren in this respect, and I sincerely hope the B.P.C. will act on your suggestion. A section in connection with the established Conference seems to me preferable to an independent society, but I should welcome either.

Dr. C. O. Hawthorne's Plea

that any sudden transition from our present system to metric dosage ought to be avoided is surely a wise one. If made in the new Pharmacopœia the result cannot but be harmful if it excludes the Imperial system, as it will take a long time for prescribers, dispensers, and the general public to get accustomed to the new nomenclature, and still more so to the values represented thereby. Therefore, it would be a safe procedure to give both the old method of stating the dosage and the new in the B.P., so that we may have fifteen or twenty years to become accustomed to think in metric weights and measures before we have nothing else to choose from. I foresee one undoubted weakness in the scheme—namely, the absence of any standard for spoons and drops. We need never expect the public to give up their spoons, and, however unsatisfactory these are, the new method will only perpetuate the risks. I understand that on the Continent things are not a whit better—indeed, they are in some respects worse.

"Passing Off,"

which in the past has been not only a vice, but a crime, will soon become a virtue as well as a patriotic duty if some of our medical committees have their way, and neither trade-mark rights nor common honesty will stand a chance if either of them conflicts with the possibility of squeezing the last bit of the "floating sixpence" out of the Drug Fund. The worst of it is that we ourselves, through a body for which we are told its members are responsible, are aiders and abettors in the nefarious scheme to rob the sick poor of their rights. It would be bad enough in all conscience to rob the poor workman of his food and clothing, but it is infinitely worse to rob him of the medicine which the doctor thinks is best suited to restore him to health. Surely there is among the panel doctors a leaven of good men who have not "bowed the knee to Baal," and who will insist on having the question tested by law whether they are or are not entitled to prescribe what they conscientiously believe to be the medicine which their patient ought to have. As things stand, panel doctors are urged to compromise with their conscience and panel chemists to degrade their most sacred convictions and, if need be, break the law. But, after all, why need we begin to shout now? The trouble began years ago, when the Pharmaceutical Council published its B.P. Codex, and it is only stern justice if that stick is now used by medical men to beat our own backs with.

The Golden Wedding

of Mr. and Mrs. John Morgan Richards is an event that many pharmacists, and many more outside our ranks, will regard with sympathetic interest. I would like to add one leaf to the laurel chaplets of which they were the recipients last week. I never had the good fortune to meet Mr. Richards, but at one time I heard much about him and his wife from a mutual friend, and I know that the half will never be told of their large-hearted generosity and their many deeds of kindness. I once had a letter from him, written in his own hand, in the days when typewriters were not so common as they are now, and I have never forgotten the advice I received on that occasion. The letter dealt, among other things, with the question of introducing a speciality, and the view that Mr. Richards took was that it is an uphill task to advertise any speciality unless the preparation not only appeals to the public taste, but can hold its own by its intrinsic merit. Most advertisers have, I think, learned the truth of this axiom by costly experience, but, after all, it is not the whole truth, since by advertising a public taste can be created; witness Mr. Morgan Richards' own success in the introduction into this country of the American cigarette, which forty years ago was by no means popular with Englishmen. The grit that carried Mr. Richards through that struggle has been characteristic of him all through his career, and no one more richly deserves the rewards that follow strenuous work or the congratulations that were showered on him and his accomplished wife.

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Editorial Articles.

"The Great Unqualified."

It is not surprising to learn that the medical professi is up in arms against Regulation 44 (2) in the new Medic Benefit Regulations issued by the Insurance Commi sioners, and published in The Chemist and Druggi last week, p. 201. The Regulation is as follows:

Where the insured person contracts with a person oth than a duly qualified medical practitioner to obtain tre ment (whether including drugs and appliances or not) fro him for a fixed sum for the year or any part thereof, t Committee may make such contribution towards the sum co tracted to be paid not exceeding in amount the maximu contribution payable in the case of a person who contrac with a duly qualified medical practitioner as they think f but upon any representation being made by a society th the treatment is not such as will adequately protect t funds of the society, the Committee may either withhold t contribution or make such a deduction therefrom as th may in any case determine.

This extraordinary provision can be traced back t the deputation representing herbalists, Christia Scientists, and "dispensing chemists," on November 1911, to Mr. W. J. Braithwaite, on behalf of the Chai cellor of the Exchequer. Registered chemists as a bod knew nothing of the matter, and any chemist who ma have been on the deputation represented himself alone not pharmacists generally. A report of the interview wa printed in "The Herb Doctor," and reprinted by us i our issue of December 9, 1911, p. 44. The deputatio feared that the clause, which became the following sub section of the Medical Benefit Section (15), would preven insured persons from receiving treatment that they ha been accustomed to receive:

"The regulations made by the Insurance Commissioner shall authorise the Insurance Committee by which Medica Benefit is administered to require any persons whose incom exceeds a limit to be fixed by the Committee, and to allo any other persons, in lieu of receiving Medical Benefit unde such arrangements as aforesaid, to make their own arrange ments for receiving medical attendance and treatment (in cluding medicines and appliances), and in such case th Committee shall, subject to the regulations, contribute fron the funds out of which Medical Benefit is payable towards the cost of medical attendance and treatment (including medi cines and appliances) for such persons sums not exceedin in the aggregate the amounts which the Committee would otherwise have expended in providing Medical Benefit for them."

This provision was introduced by Dr. Addison, M.P., as an amendment. In his reply to the deputation, Mr. Braithwaite, speaking in the phraseology of the Bill then before the House of Commons, said that the sub-section, in the clearest technical language, preserved the rights of the herbalist and others opposed to allopathic medicine. Nothing came of the matter at the time, but in season, and sometimes out of it, herbalists have pressed their

ms before Committees, Commissioners, and Ministers. A most important interview took place in one of the Committee-rooms of the House of Commons on May 6, 13, when Mr. Masterman received a deputation representing the People's League of Medical Freedom and other unorthodox medical practitioners in England, Scotland, and Wales, which was introduced by Major Hunter White, M.P. Mr. Masterman was accompanied on the occasion by Sir R. Morant, Sir Claud Hamilton, Dr. Smith Whitaker, Mr. H. J. Symonds, Dr. Bredith Richards, and Mr. J. A. Flynn (an Irish Commissioner). We gave a report of the deputation at the time. In the course of his reply to the representations of the speakers Mr. Masterman stated that the Government had no intention of repudiating a promise because it had not happen to be made by either the Chancellor of the Exchequer or himself. He referred particularly to a statement by Mr. McKenna, and added, on the question of sick certificates of approved societies, that the Act does not bind up or limit the certificates of sickness to doctors on the panel nor to doctors of any particular qualifications. The Act says that the insured, as far as the Government contribution is concerned (and that is the only thing the Government is concerned with), shall be given the Government contribution towards the sickness benefit; that is, 2*s.* 9*d.* towards sickness payment. He further stated that the question as to whether a person is really sick or pretending to be so, is a discretion vested in the Approved Societies, and not in the Insurance Commission; therefore, that he had no power to issue a command to the Approved Societies as to rules for deciding whether a person is sick or not. Mr. Masterman refused, however, to bind the Commissioners, who, he pointed out, have to act judicially, and he could no more tell beforehand what they would decide in a definite case than he could tell what the High Court of Justice would decide in a particular case. As to enabling those whom the deputation represented to contract out, he said that men who really object to any particular scheme of medicine should not be compelled under pain of losing their insurance contributions to have that system of medicine, and that they should be able to use their contributions for the system of medicine that they really do believe in.

The Commissioners have now found a way of carrying out the promise given by Mr. Braithwaite, and more recently by Mr. Masterman; we do not, however, consider that the new regulation gives herbalists much. Speaking at Glasgow last week, Mr. James Leishman (Chairman of the Scottish Commissioners) said that "Approved Societies look to the medical profession as a bulwark against undue and improper claims on the Sickness Fund." Regulation 44 (2) may look like weakening that bulwark, but the strength of the attack lies in association, for the insured persons must have annual contracts with the unqualified persons who treat them before they can get Insurance money. The "British Medical Journal" views the matter with distrust, and remarks in regard to it:

"The effect of this clause is apparently to legalise, by virtue of the Regulations, medical attendance, and in some cases the supply of drugs, by an unqualified person. It is open to grave question whether a provision of this kind, though promulgated with all the weight of a regulation made under the National Health Insurance Acts, is not *ultra vires* and contrary to the spirit and intentions of the original National Insurance Act of 1911 and to the provisions of the Apothecaries Act, 1815 (George III., cap cxciv). We presume the effect of this Regulation will be to sanction insured persons being allowed to make their own arrangements with herbalists, Christian Scientists, bonesetters, and other kinds of unqualified practitioners. We understand that the General Medical Council has already had this possibility under its consideration, and we shall not be surprised to hear that steps are taken at once to challenge the validity of Regulation 44 (2) and to demand its withdrawal."

At a meeting of the Council of the National Medical Union on February 2 the following resolution was unanimously agreed to:

"That this Council protests against the Regulation 44 (2) of the National Insurance Commissioners, containing provisions which seek to legalise the treatment of those insured under the Act by persons who are not duly qualified practitioners, and instructs the secretaries to bring the terms of the Regulation to the notice of the General Medical Council, and to request them to take action."

The third clause of the Regulation provides that:

"Save as aforesaid, the Committee shall not make any contribution in the case of an insured person making his own arrangements who obtains treatment otherwise than from a duly qualified medical practitioner."

This limits the possibilities of the objectionable second paragraph, but in so far as the new regulation departs from the principle of qualified service it is to be regretted.

The Use of Depilatories.

Mr. W. Johnston, secretary of the Chemists' Defence Association, states that the Association has recently expended 40*l.* in costs and expenses in connection with a claim for damages to the skin of a lady caused by the application of a depilatory made up by a chemist. The formula employed was the following:

Calcium hydrate	ʒij.
Sodium carbonate	ʒiij.

Instructions were given that this was to be made into a thin paste with water, applied to the part for a few minutes, and then scraped off with a blunt knife. Mr. Johnston has carried out some experiments with this depilatory on his own arm, but without discomfort. When, however, he applied some to his face and left it on for six minutes, smarting was caused, and in a few days the cuticle peeled off, though without leaving any permanent mark. It is as well, therefore, to caution purchasers of depilatories made up from the above and similar formulæ that some skill is required in using them. A shorter time of application should be insisted on.

The Moral of Poisons Law.

Three deaths during the past fortnight, consequent upon misadventures with opiates, have a special interest to chemists. Two fatalities were due to laudanum, and in each case the narcotic was supplied unlabelled by the wife of an unqualified drug-vendor. In the first instance, at Gotham, the woman was not aware that the drug needed to be labelled "Poison." In the second case, at Norwich, the vendor alleged that the customer prevented her labelling the bottle, but apparently was under the impression that an agri-horticultural poisons licence allowed the sale of any poison. In this case it was admitted that a poisons register was not kept. A few weeks ago Chesterfield and Derby chemists got worsted in their attempt to stop dispensing of Insurance prescriptions at the local Friendly Societies' Medical Associations' dispensaries. They complained that the work was not supervised by a pharmacist. Their allegations in regard to the manner in which dispensing is done in the dispensaries were not approved by the Insurance Committee, but by a strange stroke of fate the Coroner of the district has held an inquest regarding the death of a patient from morphine pills dispensed at one of the dispensaries without directions under the circumstances reported elsewhere in this issue. It transpired that the dispenser at this place and a youth dispensed 523 prescriptions on the day that twelve morphine pills were given instead of two. The

circumstances will, we presume, lead to further inquiry by the local Insurance Committee. Had the fatality occurred two months ago, that Committee might have acted differently from what they did in December last.

Local Associations Executive.

The constitution of the new "Executive Committee of Local Associations" is now known, with the exception of the representatives of corporate bodies. Its membership carries out the idea of territorial representation to a certain extent if the councillors appointed by the Pharmaceutical Council be included. In our issue of November 22 we outlined eleven insurance areas which would give both proportional and territorial representation. In the Executive as now constituted these have the following members:

Northern.—Nil.
Liverpool Area.—Mr. J. W. Deakin, Northwich.
Manchester Area.—*Mr. R. L. Gifford, Blackburn, and Mr. H. Kemp, Manchester.
Yorkshire.—*Mr. F. P. Sargeant, Leeds.
West Central.—*Mr. F. J. Gibson, Wolverhampton.
Midland.—Nil.
Eastern.—Nil.
Home Counties.—Mr. H. Wolff, Middlesex.
Western.—Mr. J. W. Cussons, Dorchester, and *Mr. P. F. Rowsell, Exeter.
Southern.—*Mr. E. T. Neathercoat, Weybridge.
London.—*Mr. J. H. Cuff, Mr. John Keall, †Mr. E. White, and †Mr. W. J. U. Woolcock.

* Appointed by Pharmaceutical Council.
† *Ex officio* members.

Wales has two members, one for North Wales (Mr. J. B. Francis, Wrexham) and one for South Wales (Mr. Leo Joseph, Cardiff). It will be noticed that the provinces would have fared badly as regards representation but for the Council's appointments, but we do not know how far, if at all, the Council acted on the territorial basis. London has virtually six members by the inclusion of Mr. Wolff and Mr. Neathercoat, and the companies' representation will probably increase this to seven. The voting-papers issued numbered 157, 139 being returned, of which 135 were valid. Mr. J. B. Francis (73 votes) headed the poll, and Mr. Hugo Wolff (59 votes) came second. The low results in other cases show divided forces. The Pharmaceutical Council did not gain increased representation through the ballot, although it came within one vote of doing so.

TRADE NOTES.

Messrs. De Roos, Johnson & Co., Wellesley Road, Queen's Crescent, Kentish Town, N.W., the London depôt of "Therapion," etc., have had their telephone number changed to "Hampstead 112."

Messrs. Ayrton, Saunders & Co., Ltd., Liverpool, inform us that Messrs. J. C. Gambles & Co., Flinders Buildings, Melbourne, are acting as their Australian agents and carry a full range of samples of their goods.

Semreh Bottle-caps.—The Viscose Development Co., Ltd., Bromley, Kent, have now so improved their arrangements for the production of their well-known bottle-caps that they are able to overtake the very much increased turnover in response to the growing demand, and they are able to give immediate delivery of orders.

Juvenileau is the name of a new hair-restorer which is introduced by the Compagnie Juvenileau, Paris, whose London office is at 97 Cannon Street, E.C. This company have had remarkable success with the rheumatism remedy "Eauzate," to which reference was made in The Chemist and Druggist some time ago, and now they have introduced the Juvenileau, which seems to be even more successful, for although it was only brought to the notice of the public ten days ago, the company have had a big demand for it. Juvenileau is a water-white transparent solution put up in 4-oz. bottles enclosed in an outer case, and it retails at 5*s*. per bottle on P.A.T.A. terms.

Zam-buk Suppositories are the latest product from the laboratories of Messrs. C. E. Fulford, Ltd., Leeds. They inform us that they have prepared these in response to a demand that they have had for a suitable method of administering Zam-buk for piles. Each suppository is about 10 grains in size, is biconical in shape (blunted at one end), and is wrapped in tin foil. The suppositories are put up in boxes of twelve to retail at 1*s*. 1½*d*. per box (minimum selling-price 1*s*. 1*d*.), and the cost to the retailer is 10*s*. 6*d*. per dozen in dozen lots, and 10*s*. per dozen with gross orders are given.

Optical Instruction.—The British Optical Institute, Ltd., Fern Lodge, 20A Grove Road, Brixton, London, S.W., is acquiring an excellent reputation for thoroughness in optical tuition. In May last a student trained by this institute was successful in carrying off the first prize at the Spectacle-makers' examination. In November, again, a student from the same institute—Miss A. Bremner, D.B.O.A.—was awarded the first prize (Henderson prize). This is the first time a lady has been placed first in the list of prize-winners. The directors of the institute announce that a Dioptric and Fellowship Scholarship will be awarded for the first time this session. Particulars of the scheme can be obtained by intending candidates. The winter session opened on February 4.

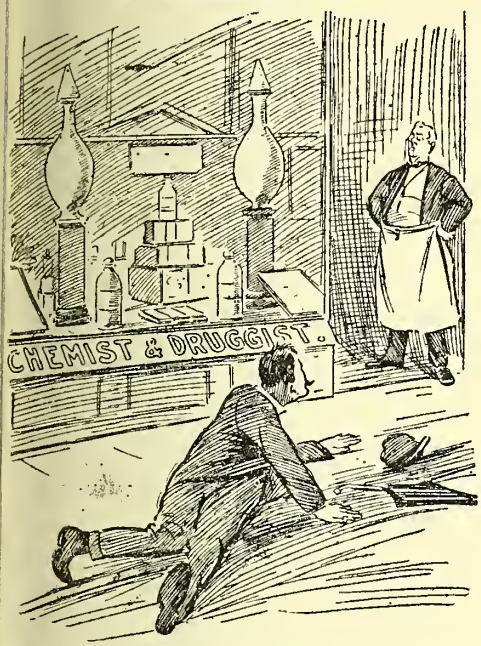
Euresol Hair-tonic.—We have on a previous occasion described the properties and action of "Euresol," which is the trade-name of mono-acetate of resorcin manufactured by Messrs. Knoll & Co., Ltd., 8 Harp Lane, London, E.C., as an antiseptic and stimulant for the hair and scalp. The properties of resorcin in this connection are well known, with the objection that under certain conditions hair is apt to become of a fiery red colour. Euresol has not that objection, and it is very extensively prescribed by specialists in this country, such as Sir Malcolm Morris and Dr. Allam Jamieson. Messrs. Knoll & Co., Ltd., have now made arrangements with Messrs. Sangers, 258 Euston Road, London, N.W., to prepare a Euresol hair-tonic, particularly for cases of dandruff and falling-off of the hair. This is a pleasant preparation of a pale-golden colour, which checks seborrhœa and is refreshing to use. It is neatly put up in 6-oz. sprinkler bottles, in cartons, to retail at 2*s*. a bottle, the wholesale price being 17*s*. per dozen. The lotion is on the P.A.T.A. list, and chemists can obtain leaflets, counter-bills, show cards, and samples on request of either of the firms.

St. Vincent Arrowroot.—Messrs. Geo. Harker & Co., Ltd., 101-103 Upper Thames Street, London, E.C., are the wholesale agents in this country for St. Vincent arrowroot actually manufactured in that island and packed in this country in packets of ½ lb. and 1 lb., to retail at 6*d*. and 1*s*. each net respectively, these being protected prices. The packets cost the retailer 4*s*. 7*d*. and 8*s*. 6*d*. per doz., carriage paid. The arrowroot obtained in the Island of St. Vincent is remarkable for its purity, whiteness, and its resemblance in properties to the best Bermuda arrowroot; in fact, the resemblance is so close that some dealers offer it as "Bermuda kind" at much higher prices than those now submitted to pharmacists for this reliable brand of arrowroot. The packets in which it is packed are exceedingly attractive, bearing the trade-mark which we reproduce, and a booklet of directions for preparing all kinds of delicacies is enclosed in each packet, and may be obtained by chemists on application to Messrs. Harker & Co., Ltd., at the above address.

Insurance Act Dispensing.

A Weekly Record of events and decisions concerning Chemists' interests in Medical Benefit administration and practice.

An Aberdeen Cartoon.



A New Chucker-out.

he "Evening Express" of Aberdeen summed up the l situation as to medicines prescribed by publishing the ve sketch, with the following inscription:
ndignant Insured Person: "What did you do that for?"
hucker-out: "For making a beast of yourself. You've too much already."
P.S.—Aberdeen holds the record for the amount of medi- consumed per head of the insured.)

Another Proposed Drug-Tariff "Conference."

The Council of the British Medical Association on nuary 28 decided that it was desirable that a conference uld be held during the summer of each year between resentatives of the British Medical Association and of Pharmaceutical Society, for the purpose of arriving some agreement with regard to the Drug Tariff for succeeding insurance year. The idea is that "any eement thus reached could then be recommended by h parent body to the various Local Medical, Panel, l Pharmaceutical Committees," and it is considered t "inconvenience has been caused this year by pro- sals with regard to the Drug Tariff being issued so late t there was no time for adequate consideration."

Amended Welsh Regulations.

In Statutory Rules and Orders, 1914, No. 26, the In- rance Commissioners and the Welsh Insurance Commis- ners make some amendments upon the Regulations made der Section 15 of the National Insurance Act, 1911. These ovide that the expression "medical year" in the prin- al Regulations, and these Regulations, means the period mmencing January 15, 1913, and ending on January 11, 14, and any successive period fixed by the Commis- ners for the purpose. The date for revision of the medi- l list is to be any date not earlier than November 1 any year or later than January 11 in the succeeding ar. The other Regulations deal with matters pertaining practitioners on the panel and to Medical Service Sub- ommittees and kindred matters, except a verbal altera- on in paragraph 2 of Regulation 43, relating to the Drug und. This now reads as follows, the alteration being alicised:

(2) The Committee shall credit to each chemist or other son supplying drugs or appliances in respect of that supply a sum calculated in accordance with the Drug Tariff, or, in the case of drugs not included in that Tariff, an amount calculated in accordance with the method adopted by the Committee for that purpose, and shall pay to each person *the sum so credited to him or an amount bearing the same proportion to that sum as the amount in the Drug Fund bears to the aggregate amounts so credited to all those persons, whichever is the less.*

Reports from Local Centres.

With special reference to the supply of medicines and appliances. See also Winter Session.

Aberdeen.—At the meeting of the Burgh Insurance Committee on January 28 it was stated that chemists' accounts had "jumped" to about 1,700*l.* during the last quarter from 1,267*l.*, and, according to the Finance Committee's calculations, there would be a considerable deficit in the funds to pay for these. In reply to a member, it was stated that the accounts had not been checked. Mr. W. S. Lunan said it was not a matter of checking accounts, but of expensive prescriptions. He recalled the Insurance Commissioners' refusal to allow the appointment of an official checker. Mr. W. F. Hay, chemist and druggist, for the Pharmaceutical Committee, and Dr. Beveridge, for the Panel Committee, said that chemists and doctors were ready to examine prescriptions with a view to checking excessive prescribing, but they objected strongly to checking accounts purely as a matter of business. Mr. Hay pointed out that until the prescriptions were checked and examined in detail nothing satisfactory could be done. The Clerk read the following telegram from the Insurance Commissioners:

Commissioners commend your action in calling attention of Pharmaceutical Committee and Local Medical Committee to anticipated deficiency in Drug Fund. Suggest that representatives of both Committees should meet in order to ascertain whether any steps can be taken by doctors to reduce unnecessary or excessive expenditure. Meantime the Commissioners are inquiring into the causes of excessive payment on the Drug Fund in Aberdeen as compared with the experience of certain Committees elsewhere. The results of this inquiry will be communicated when completed. The Commissioners will shortly issue advice notes showing provisional credits to Committees, but meantime, for the purposes of calculation, the average of accounts already taken, less 10 per cent. to allow for duplication of index slips and financial adjustments, will give approximate figures.

After some discussion the following resolution was carried by seventeen votes to twelve:

That it be remitted to the Finance Committee to confer with the Pharmaceutical and Panel Committees, and to investigate the causes of the excess in the drugs account, with powers to appoint an expert, if necessary, to assist in the revision and consideration of accounts, the Committee to advise as to ways of economy in future.

It is stated that the Insurance Commissioners had asked for all prescriptions above 11*d.* in value that had been prescribed in Aberdeen to be sent to Edinburgh for inspection.

Blackpool.—From July 15, 1913, to January 11 1,042*l.* 4*s.* 6*d.* was paid by the Insurance Committee for drugs, medicines, and appliances supplied by chemists.

Bolton.—The Insurance Committee on January 30 decided to pay chemists' accounts in full for the fourth quarter so far as the funds will allow.

Burnley.—At the last meeting of the Insurance Committee the Clerk reported that 120,000 prescriptions, received since the end of the first quarter, required to be checked. The Pharmaceutical Committee were prepared to check them at a higher rate of pay than previously paid—namely, 5*l.* per 10,000. The Pharmaceutical Standing Committee offered to do the checking at 5*l.* per 10,000, exclusive of carriage, and it was decided to accept this tender. Mr. Brown pointed out that the local Pharmaceutical Committee had checked 40,000 prescriptions for 5*l.* 7*s.* 6*d.* In their letter they did not decline to continue checking, but said they were not paid for the amount of work they had done. No reply had been sent to that letter. Local chemists were going to have a lot of work thrown upon them because they would have to check them again. Mr. Harrison (Chairman) said the cost was not the only consideration in sending the prescriptions to London. The arrears amounted to 120,000 perscriptions, and local chemists did not seem to have any definite plan for dealing with the prescriptions, which were still accumulating. The Committee felt they must take the matter seriously in hand, and get them out of the way. The Clerk said the letter referred to was answered the day after the Sub-Committee met. Mr. Brown said it would have only been courteous to have consulted the local chemists on the matter.

Cumberland.—A Joint Committee of the Sanatorium Benefit and Medical Benefit Committees has passed a resolution "that the Insurance Committee be recommended

to condemn strongly the interference by doctors on the panel with the right of insured persons to a free choice of chemist." The new panel comprises fifty-nine chemists.

Devon.—A meeting of the county Pharmaceutical Committee was held on January 28 at the Insurance Committee's offices. Mr. Rowsell was appointed Chairman of the Committee, and Mr. H. W. Gadd Secretary. It was decided to hold meetings quarterly (if necessary), on Wednesdays at 3.15 P.M. at the County Insurance Offices. Messrs. Brown, March, and Gadd were appointed to represent chemists on the Pharmaceutical Service Sub-Committee. It was unanimously resolved to apply conjointly with the Panel Committee for the penny allotted for administrative expenses. The Pharmaceutical Service Sub-Committee met subsequently, and selected Messrs. Gadd and Brown to serve on the Joint Services Sub-Committee.

Devonport.—The Devonport Pharmaceutical Committee met on January 28, Mr. A. J. Ancliffe (the President) in the chair. The Secretary read a letter from the Insurance Committee regarding the checking of prescriptions, and it was unanimously agreed that the Pharmaceutical Committee would be willing to undertake the checking conditionally upon being granted the maximum administrative expenses as provided for in the regulations. The use of aqua fontana was brought forward by a member of the Committee, who had had several prescriptions with "Aqua non-dest." ordered. It was decided that the Secretary should write to the Panel Committee, pointing out to them that no provision for water other than distilled is made in the Tariff, and that the question should be dealt with as provided in the Medical Regulations. If the Panel Committee will approach the Insurance Committee on the matter, the Pharmaceutical Committee will not oppose the use of water other than distilled.—The chemists have been paid 90 per cent. of the last quarter's accounts, the remainder to be paid when the prescriptions are returned from the Pharmaceutical Standing Committee.

Dudley.—A recommendation by the General Purposes Committee to appoint an inspector for sampling drugs supplied to insured persons was defeated at the meeting of the Insurance Committee by six votes to five. Mr. Fullwood said the Sub-Committee wanted to know if panel chemists were carrying out the doctors' instructions. Mr. P. G. Richardson, Ph.C., said such an insinuation needed an apology.

Falkirk.—The Pharmaceutical Committee for Falkirk Burgh met in the offices of the Clerk to the Insurance Committee, Manse Place, Falkirk, on January 28. Mr. Harris, representing the Scottish Insurance Commissioners, was present. Councillor R. Sinclair was appointed Chairman of the Committee, Mr. David Dunnet (Bainsford) Secretary, and they and Mr. R. G. Drummond were nominated as members of the Pharmaceutical Service Sub-Committee.

Fife.—The County Pharmaceutical Committee met in the offices of the Insurance Committee, White's Causeway, Kirkcaldy, on January 28, and elected Mr. J. Bissett (Burntisland) as Chairman, and Mr. Chas. Stewart (Kirkcaldy) as Secretary.

Hampshire.—The County Pharmaceutical Committee held its first meeting at The Castle, Winchester, on January 28. Mr. A. E. Chaston (Winchester) was appointed Chairman and Mr. C. H. Baker (Cosham) Secretary. Messrs. T. O. Barlow (Southsea), W. Bates (Southampton), and F. E. Bilson (Bournemouth) were the three pharmacists elected to serve on the Pharmaceutical Service Sub-Committee.—At the meeting of the Insurance Committee on February 2 it was decided to inform an insured person complaining that he had been unable to obtain medicine from a chemist's shop at 1 A.M. on a particular day, that his complaint was considered frivolous. The Drug Tariff was adopted, with the exception of a copying-prescriptions fee and the dispensing notes. It was stated that doctors and chemists are conferring for the purpose of agreeing upon full dispensing notes and an Insurance Pharmacopœia. It was also reported that the checking of the third quarter's prescriptions was completed, and the fourth quarter's checking was proceeding, although all the prescriptions had not yet come in. It was agreed to pay the balance of the third quarter's prescriptions and 90 per cent. of the fourth quarter's at once, the balance to be paid as soon as the checking is completed. All the chemists' agreements have been received. Dr. Lyster (medical officer) reported on difficulties in connection with the checking of the second quarter's prescriptions. He said a deputation from the local Pharmaceutical Committee took exception to the change in the arrangements made by the Committee for checking the prescriptions with the assistance of the county medical officer, instead of the Pharmaceutical Standing Committee. It was pointed out that the change was made owing to complaints urged by the chemists themselves with regard to the checking of the first quarter's accounts by the Pharmaceutical Standing Committee. The deputation proceeded to explain the difficulties of chemists with regard to Repeat prescriptions and stock mixtures, and it was decided that a joint committee of chemists and doctors, established by the 1914 Regulations, should be requested to consider these matters. The deputation stated, on behalf of the Pharmaceutical Committee, that, owing to urgency, they would be willing to accept a shortened process of check by sample by the county medical officer's staff in order to enable the work to be completed at once. It was pointed out that the matter would be in the hands of the chemists themselves in 1914.

Kent.—Payments of 75 per cent. of chemists' accounts for the fourth quarter have been authorised. During November chemists were paid 439*l.*, and during December 1,091*l.*

Manchester.—A postcard has been issued by the Pharmaceutical Insurance Committee to panel chemists stating that prescription-pricing must be according to the 1913 Tariff until further notice. The new Tariff cannot be issued at present, as certain difficulties which have arisen are still the subject of negotiations.—At the meeting of the Insurance Committee on January 27 it was stated that the Medical Benefit Sub-Committee had informed the local Medical Committee that they are "unable to recognise or approve of the exclusion of malt and cod-liver oil from the drugs, etc., to be prescribed for insured persons where in the opinion of the practitioner in charge of the case such articles are necessary to the adequate treatment of the patient" (cf. *C. & D.*, January 17, p. 56). This means that local medical practitioners can please themselves whether or not they regard malt extract and cod-liver oil as dietetic articles, only to be prescribed for tuberculous persons. The suggestion that payment to any panel doctor should not exceed 800*l.* a year evoked an acrimonious discussion.

Middlesex.—At the meeting of the Middlesex Insurance Committee on February 2 letters were received from the local Pharmaceutical Committee and the local Medical Committee, each asking that a sum representing ½*d.* per insured person should be remitted to each Committee from the Medical Benefit Fund towards the payment of their respective expenses. The Chairman (Mr. W. S. Glyn-Jones, M.P.) explained that, an agreement having been arrived at by the two professions concerned, the Committee had only to authorise payment of the money. The money did not belong to the Insurance Committee, but to the doctors and chemists. A member said that the total would amount to 750*l.* for each Committee—"rather a lot of money." Mr. Glyn-Jones remarked that a good deal of work had been done; for instance, in the checking of prescriptions. Payment was ordered to be made.

Northamptonshire.—Messrs. J. Gant, J. R. Moore, and J. H. Thursfield have been appointed chemist members of the Pharmaceutical Service Sub-Committee for the county.

Oxfordshire.—The Insurance Committee on January 27 sanctioned payments from the Drug Fund of 671*l.* 5*s.* 1*d.* to chemists and doctors.

Renfrewshire.—At the meeting of the Insurance Committee on January 30 it was stated that the panel practitioners were entitled to dispense for 4,790 insured persons out of the total of 41,000. This number will be materially reduced by a resolution of the Committee imposing restrictions on such dispensing. The Drug Fund for the year is 3,114*l.*, and prescriptions averaged about 15,000 per quarter.

Sheffield.—It is estimated that the deficit (if any) in the Drug and Suspense Funds will not exceed 10 per cent. A resolution was confirmed on February 4 by the Insurance Committee of the Medical Benefit Sub-Committee, recommending that a room be provided for the Panel and Pharmaceutical Committees at a nominal charge of 2*s.* 6*d.* for each meeting, to cover the cost of light, etc., at 41 Church Street. The Pharmaceutical Committee intend to use the Insurance offices as their meeting-place, instead of the Literary and Philosophical Rooms, the headquarters of a local Society.

Somersetshire.—The Insurance prescriptions dispensed by the eighty-nine panel chemists last year numbered 157,0[illegible]

Stirlingshire.—The county Insurance Committee, at a meeting on January 29, adopted a recommendation by the Medical Benefit Sub-Committee to the effect that panel practitioners should be allowed to supply drugs and appliances to insured persons resident in rural areas at a distance of more than one mile from the place of business of the nearest chemist, on the basis of a capitation payment. The Commissioners, it was stated, had consented to this arrangement, subject to the condition that the practitioners make satisfactory arrangements for the supply of drugs and appliances, and do not sub-contract with chemists. The Chairman observed that the point which seemed to him to arise from the proposal was this: If the doctor was further

from the patient than the druggist, were they going e the insured person the option to have his drugs the chemist? The proposed scheme, he thought, ly gave to the patient the freedom he now has under ct, and he was therefore of opinion that this point l be made clear. The adoption of the report was sub- the distinct understanding that the patient is to have ption of securing his drugs from the source most suit-

Surrey.—The Clerk to the Insurance Committee has sent each chemist on the panel a copy of the new list of sts, of the Drug Tariff, and of a list of articles which not be charged to the Drug Fund. The last-named is d printed as follows:

Section 1.

rietary makes of:

ot or malt, with or with- cod-liver oil.	Mineral-water, all kinds.
ver oil or petroleum emul- s.	Medicinal wines and spirits requiring a wine-licence or spirit-licence for the sale thereof.
ro heroin, glycero pepsin, cero papain.	Vaccine, all kinds.
ish's Chemical Food.	Serums, all kinds.
rgenic balm or balsam.	Glycerin jujubes.
ma-powders.	Glycerin and black-currant jujubes.
p of figs.	Magnum bonum jujubes.
hild's preparations, except tonising powder.	Oxygen.
togen, Somatose, and like parations.	Proprietary lozenges and plasters.
s, all kinds.	

Section 2.

proprietary preparations of simple and mixed drugs, such as:

in.	Capsules of ergo apiol.
lactin.	Capsules of gonosan.
rol.	Medinal.
rin.	Omnopon.
nonol.	Protargol.
kamnia.	Phenalgin.
aroin tablets.	Styptol.
glyceride.	Urotropine.
yval.	Bromocarpine.

"Tabloids," "Palatinoids," and "Bipalatinoids."

Insurance Committee would point out to practitioners and macists that the chemical equivalents of most of the above rietary preparations are to be found in the standard works ofence, such as the "British Pharmaceutical Codex," and that al such drugs are in the Surrey Insurance Committee's tariff.

Section 3.

patent medicines, such as:

uric Bath Salts.	Jelloids of Bland's Pills.
icum Wool or Thermogene.	Jenner's Absorbent Lozenges.
lie Paste.	Kutnow's Powder.
ke's Blood Mixture.	Kolynos.
ert's Carbolic Ointment.	Kruschen Salts.
neford's Magnesia.	Listerine.
ygen.	Lactagol.
man's Embrocation.	Lamplough's Saline.
's Fruit Salt.	Marienbad Tablets.
hymol	Phillip's Milk of Magnesia.
lowe' Syrup.	Purgen.
mamint.	Resinol.
co-Thymoline.	Roboleine.
rcose.	Taylor's Cimolite.
lex and Kelpion.	Virol.

Section 4.

usses, elastic stockings, gamgee tissue, nasal douches, throat- hes, suspensory bandages, sprays, syringes, etc.

l dressings and appliances not included in the Second Schedule he Regulations.

any article which may not be charged to the Surrey Insurance mittee is ordered on an Insurance prescription-form the phar- ist is entitled to at once refer the prescription back to the ical man for alteration accordingly.

OTE.—The above lists are not given as exhaustive catalogues, the fact that a certain article has been omitted from the does not necessrily mean that such article may be charged he Drug Fund.

e circular letter also makes reference to repeat pre- iptions—viz.:

"Rep. Mist." Prescriptions.

am directed to draw your attention to a decision of the nty Insurance Committee with reference to "Rep. Mist." scriptions, which decision, it is hoped, will result in a con- erable saving of labour to chemists. Hitherto, when a prac- oner has ordered "Rep. Mist.," the chemist, in addition to erring to the original prescription, has been required, in many tances, to write out the prescription for submission to the nty Insurance Committee as part of his account.

n the future commencing with accounts rendered in respect the period commencing on January 12 last, the County Insur- ce Committee will be prepared to accept the total pricing by emists in the case of "Rep. Mist." prescriptions, provided that e number or the name and date of the original prescription is licated and that such "Rep. Mist." prescriptions are forwarded the Committee in separate marked bundles.

With further reference to "Rep. Mist." prescriptions, the atten- n of chemists is particularly drawn to the note at the foot of ge 14 of the new Tariff.

Sussex (East).—The Insurance Committee were informed on February 3 that for the quarter ending January 11 fifty-eight chemists had sent in accounts for 767*l.* 16*s.* 9*d.* It was also stated that thirty accounts had not yet been received. The Clerk said he did not think it worth while to continue the monthly system of payments of chemists' accounts. This had only been adopted as an experiment, in order, if possible, to expedite the checking of the accounts, but, owing to the pressure of work, the Pharmaceutical Standing Committee had not been able to deal with monthly accounts, and the object had not been achieved. It was recommended that arrangements be made for payments in advance for the year ended January 11 as under: To chemists who received an advance in November, the amount of their claims for the quarter ended January 11, less 5 per cent.; to those whose accounts for the quarter ended October 14 were less than 2*l.*, and who, in consequence, did not receive an advance in November, the aggregate amount of their claims for the quarters ended October 14 and January 11, less a deduction of 5 per cent. for checking and contingencies. This recommendation was adopted.

Warwickshire.—There are eighty chemists on the panel for 1914.

West Bromwich.—The chemists have been paid in full for the quarter ending January 11, and it is expected that the balances held over from the previous three quarters will be paid during the present month. The following are the figures for the year (excluding Sanatorium Benefit, temporary residents, and drugs supplied to members of approved institutions):

	Prescriptions.	Cost. £ s. d.	Average. d.
First quarter	19,584	511 17 3	6.27
Second quarter	18,242	493 3 1½	6.48
Third quarter	18,160	493 15 0½	6.52
Fourth quarter	18,321	534 19 3	7.007
Total	74,307	2,033 14 8	6.56

It is estimated that there will be a balance out of the Drug and Suspense Funds of about 57*l.* to the good.

Worcestershire.—The Insurance Committee has refused to allow a minimum charge of 2*d.* per prescription and a double dispensing-fee on prescriptions made up between the hours of 8.30 P.M. and 8 A.M

Notes.

PRESCRIBING PROPRIETARIES.—The Secretary of the Insurance Committee for the county of London has informed Messrs. Boulton Macro, Ltd., that the Committee have agreed to accept prescriptions for proprietary drugs and preparations, other than foods, not known as patent medicines or secret remedies, and that the company's "T Emulsion of Cod-liver Oil," etc., may be supplied to insured persons as part of Medical Benefit.

DUNDEE CHEMISTS.—Dundee chemists ventilated an Insurance Act grievance before a meeting of the Public Health Committee of the Town Council on Wednesday afternoon, February 4. It was explained that at present the drugs required for patients attending the municipal dispensary are supplied under the contract for drugs for King's Cross Hospital, and the chemists desired that the patients should have a free choice, as in the case of a doctor. The Committee, having heard Mr. J. H Thomson, Mr. C. Stephen, and others, unanimously agreed to the request.

DUNDEE DOCTORS.—It is reported that the number of persons for whom local doctors are receiving payment is 56,000, and 19,600*l.* is being divided among forty-two medical men of the city, giving an average of 466*l.* 13*s.* 4*d.* each. One doctor has 3,900 persons on his list, and he thus receives from this source alone an annual revenue of 1,365*l.*; another doctor has 3,600 persons, with a revenue of 1,260*l.*; and another has 3,300, with 1,155*l.* Three other Dundee panel doctors earn from 875*l.* to 1,050*l.* each from lists which include between 2,500 and 3,000 persons. Altogether six local medical men are netting a total of 6,705*l.* from panel patients.

SCOTLAND'S SURPLUS AND MEDICAL SERVICE.—Mr. James Leishman, Chairman of the Scottish National Insurance Commission, states that the Insurance Fund in Scotland is something like 3,750,000*l.* Roughly speaking, 1,750,000*l.* has been paid out, and nearly 2,000,000*l.* has been accumulated for future benefits and for reserves. Speaking of the medical profession's attitude to the Act, he said that if, owing to their lack of appreciation of the responsibility of their duties, societies were compelled to pay funds which they ought not to pay, then the movement for a State medical service would receive such an impetus that it would be very difficult for anyone to withstand the demand for that service.

PHARMACEUTICAL SOCIETY
OF GREAT BRITAIN.

Council-meeting.

THE monthly meeting of the Council was held at 16 Bloomsbury Square, London, W.C., on February 4. The time occupied by the public business was possibly a record in shortness, as in less than three-quarters of an hour the agenda was cleared. This acceleration of business is due not only to the promptness with which the proceedings commence but to the system of printed reports of the various committees which are supplied to each councillor. There were ninety-five members elected, and sixty-three student-associates, and the Registrar, in presenting his annual report, was able to refer to increases in all the departments dealt with. No case during 1913 in which proceedings were taken under the Pharmacy Acts had gone against the Society. The Treasurer's report was optimistic, and he announced some substantial donations to the Benevolent Fund. Grants amounting to 89*l.* were made from the last-mentioned Fund. The report was received of the returning officer appointed at the Conference of Local Association delegates for the election of the Executive Committee of the Conference. The result of the election was that Messrs. J. B. Francis, H. Kemp, J. Keall, H. Wolff, L. Joseph, J. W. Cussons, and J. W. Deakin were elected. The Council also nominated the following six members: Messrs. Neathercoat, Sargeant, Rowsell, Gifford, Cuff, and F. J. Gibson. Two new examiners—Mr. C. T. Allen and Mr. A. R. Melhuish—were appointed to fill the two vacancies on the English Board of Examiners.

The councillors present were: Mr. E. White (President), Mr. A. S. Campkin (Vice-President), Mr. W. H. Gibson (Treasurer), and Messrs. C. B. Allen, F. E. Bilson, W. G. Cross, J. H. Cuff, W. L. Currie, F. J. Gibson, R. L. Gifford, D. Gilmour, A. Hagon, J. F. Harrington, E. T. Neathercoat, L. M. Parry, F. A. Rogers, P. F. Rowsell, F. P. Sargeant, and J. A. White.

Elections and Restorations.

The minutes of the previous meeting having been read and confirmed,

The President said that a letter had been received from Sir Richard Winfrey thanking the Council for the resolution of congratulation.

There were then elected ninety-five members and sixty-three student-associates, the list in the case of the latter being longer than usual.

There were also restored to the Society thirty-six members; while five persons had their names restored to the Register of Chemists and Druggists.

Council Election.

The Secretary reported that the following members of the Council retire in May:

F. E. Bilson.	F. A. Rogers.
J. H. Cuff.	P. F. Rowsell.
J. F. Harrington.	J. R. Young.
J. Harrison.	

The Registrar's Report.

The Registrar then submitted his report for the year 1913, of which the following abstract embodies the main features:

The subscribers to the Society are 689 life compounders, compared with 661 in 1912; 7,099 annual members, against 6,861 in 1912; and 484 student-associates, against 436. The number of persons registered as apprentices or students was 580 [447 in 1912]; 453 persons passed the Minor, against 395 in 1912; while the successful Major candidates numbered 45 [35 in 1912]. The Register of Pharmaceutical Chemists contains 2,029 names [2,021 in 1912], and that of chemists and druggists 14,579 [14,309 in 1912], an increase of 278 names during 1913. The additions to the Register include the name of one person registere the reciprocity provisions of the Poisons and Pharma 1908. The Register of Superintendents of Bodies C contains 605 names [459 in 1912]. The section of the dealing with the administration of the Pharmacy Ac that 1,619 [1,362 in 1912] cases of alleged infringeme investigated during the year 1913, and in 306 cases 38 1912] proceedings were instituted. The summary as persons prosecuted is as follows:

Unqualified drug-store proprietors	7
Unqualified assistants in drug-stores ...	3
Chemists	3
Unqualified managers and assistants to chemists	5
Executors of chemists	5
Unqualified managers to the executors of chemists	5
Limited companies trading as chemists and druggists	0
Unqualified directors, managers, and assistants to limited companies	5
Unqualified assistants to doctors	2
Ironmonger	
Grocer	
Pawnbroker	
Oilman	
Stationer	
Confectioner	
General storekeeper	
Manufacturer of novelties	

A note appended to the report states that in five the cases of alleged infringement it was found upon a that the poison asked for had been omitted fro the articles purchased, but that in one case proceedings taken under the Merchandise Marks Act and a con ensued.

The Registrar gave a synopsis of his report, and pointed out that there was an increase in every de ment. It is, moreover, an increase on an increa shown the previous year. He mentioned also that wh the number of student-associates had decreased ye by year since 1900, there is this year an increase of ty-eight over the previous year, whilst there is a larg crease in the registrations of apprentices or students. The increase in the membership of the Society in 1913 responds very closely to the number who have passe the Minor, it being a fair assumption, said Mr. Woo that practically all the newer chemists are joining Society. The number of prosecutions for infringem was greater during 1913, and no case went against the Society.

The President called attention to the fact that the membership is approximately 8,000.

Mr. Gilmour said the report was interesting rea and he congratulated Mr. Woolcock on his first re The number of deaths in 1913 of registered persons seemed to him to be large. He was also impressed the number and variety of the law cases and with would happen if the vigilance of the Society were rela

The report was entered on the minutes.

Finance.

The Treasurer then presented the report of the Fin Committee. The receipts of the General Fund amou to 1,436*l.* 4*s.*, made up as follows: Penalties and c 112*l.* 8*s.*; subscriptions, 768*l.* 12*s.*; "Journal" and p cations, 202*l.* 14*s.* 8*d.*; restoration-fees, etc., 3*l.* 3*s.*; gistration-fees, 149*l.* 2*s.*; school-fees, 77*l.* 16*s.*; 54*l.* 2*s.* 11*d.*; ground-rents, 68*l.* 5*s.* 5*d.*; making a bala of 1,393*l.* 12*s.* 7*d.*, after deducting the payments authori last month. The following amounts were recommen for payment: "Journal" and publications, 185*l.* 5*s.* 2 stationery, etc., 41*l.* 4*s.* 8*d.*; current expenses, 80 salaries, etc., 333*l.* 10*s.* 4*d.*; school and examinatio 247*l.* 16*s.* 2*d.*; law charges, 124*l.* 6*s.* 6*d.*; hou 219*l.* 8*s.* 1*d.*; library and museum, 3*l.* 6*s.* 11*d.*—a to of 1,954*l.* 17*s.* 10*d.* The balance on the Benevolent Fu current account was shown as 396*l.* 0*s.* 2*d.*, on the Do tion Account 83*l.* 15*s.* 1*d.*, and on the Orphan Fu 74*l.* 10*s.* 6*d.*

Commenting on the report, the Treasurer said the su scriptions received were 47*l.* more than for the same per of last year, and the total of the amounts submitted f payment was 686*l.* less. He mentioned also that the inve ments which were made two months ago have increas in value by approximately 200*l.* The Benevolent Fu

s during January were normal, and although the e was 93*l.* less than last year, this is made up by ceipt of the following special contributions: Mr. s Kay (Stockport), 50*l.*; North London Pharmacists' ation, 5*l.* 10*s.* 6*d.*; Birkenhead and Wirrall and ool Associations, 36*l.* 16*s.*; and Mr. F. W. Dennis), 7*s.* 6*d.*, weighing-machine fees.

T report was adopted.

BENEVOLENCE.

T report of the Benevolent Fund Committee was *in camera*, after which

M ROGERS, the Chairman, in moving the adoption of port, stated that grants amounting to 89*l.* were mended. He added that the fund will soon be in rmal condition if the receipts continue at the t rate.

T report was adopted.

REPORT OF EXAMINERS.

T SECRETARY presented the report of the examiners, showed that in England and Wales 148 candidates examined last month, of whom eighty-six passed. cotland there were forty-three candidates, and y-three passed.

APPRENTICES REGISTERED.

T SECRETARY also reported that he had registered y-seven apprentices or students during January.

LOCAL ASSOCIATIONS COMMITTEE.

M NEATHERCOAT presented the report of this com- e, which met on the previous day. It was stated Mr. Rogers attended before the committee to urge lesirability of intimating to local associations that uld be helpful if each association would subscribe e Benevolent Fund, and also place a collecting-box e table at social functions. The Committee agreed ally to the principles, but deferred further con- ation for the present. Reports were also received istrict meetings at Birmingham and Preston, and Mr. Cross and Mr. Bilson, who attended dinners erby and Cardiff. The Chairman also presented a t on the Conference of Association Delegates held anuary 21, and the Committee accepted the main osals. Further consideration was deferred until the meeting for the formation of such recommendations resentation to the Council as may seem requisite.

r. Neathercoat mentioned that each delegate would ve a copy of his report.

r. ROGERS mentioned his scheme for the co-operation ocal associations in subscribing to the Benevolent d.

r. GIFFORD said he wished specially to thank Mr. ison for coming to the Preston meeting.

e report was adopted.

CONFERENCE OF LOCAL ASSOCIATION DELEGATES.

e PRESIDENT, as Returning Officer appointed at the ference of Local Association Delegates to issue voting- rs for the election of the Executive Committee of Conference, reported the result of the election. ing-papers were issued to 157 delegates, and 139 were rned by the first post on January 31. Four voting- rs were void through erasures. There were thirty- candidates, and the following seven members were lared to be duly elected:

J. B. Francis.	J. Keall.
Hugo Wolff.	J. W. Cussons.
H. Kemp.	J. W. Deakin.
L. Joseph.	

he nomination of six members of Council to serve the Executive Committee was made at the Council ting. The following were elected:

E. T. Neathercoat.	R. L. Gifford.
F. P. Sargeant.	J. H. Cuff.
P. F. Rowsell.	F. J. Gibson.

The other members of the Executive Committee are President and Secretary of the Pharmaceutical iety, and two representatives of corporate bodies.

EXAMINERS APPOINTED.

The sub-committee of the Parliamentary and General rposes Committee recommended the appointment of Mr. C. T. Allen and Mr. A. R. Melhuish to fill the two vacancies on the Board of Examiners for England and Wales.

The Council passed the formal resolution making the appointments.

Messrs. Phillips, Tickle, and Gamble were appointed examiners for the Pereira medal and Council prizes examinations in April next.

CORRESPONDENCE.

The International Commission of Publication (Tables of Constants) announced the publication of Vol. III. and the preferential prices to subscribers.

The College of Preceptors intimated that the two grades of the College certificate examinations would be called in future simply "Senior" and "Junior." This will involve a formal alteration in the Society's regulations regarding the certificates accepted for the Preliminary examination.

The Colonial Office forwarded a despatch from the Governor of Mauritius relative to the Pharmacy Ordinance of 1912, and the Regulations made thereunder for the conduct of the local examinations.

The Educational Institute of Scotland forwarded copies of the new form of certificates granted in respect of (*a*) the Preliminary Medical examination, and (*b*) the Preliminary examination in general education accepted by the Veterinary College and the Pharmaceutical Society.

The Pharmacy Board of New South Wales forwarded a copy of new regulations regarding registration-fees.

The Public Pharmacists' and Dispensers' Association applied for the use of the Lecture-theatre on the evening of March 25. This was granted, subject to the room not having been previously engaged for that evening.

The Privy Council forwarded Dr. G. Balfour Marshall's report as Visitor to the Pharmaceutical Society's examinations held in Edinburgh. One clause of the report to which attention was directed stated that the high percentage of failures in practical subjects showed the need for the imposition of a compulsory curriculum.

The Ontario College of Pharmacy replied to a letter regarding reciprocal registration of certificates of pharmaceutical qualifications. It had been impossible, stated the letter, to effect reciprocal registration with the whole of Canada, as the various registration bodies desired to reserve to themselves the right of accepting persons for registration.

This concluded the public business.

NORTH BRITISH BRANCH.

AN evening meeting was held at 36 York Place, Edinburgh, on Wednesday, January 28, Mr. J. P. Gilmour, Chairman of the Branch, presiding. Mr. D. B. DOTT, Ph.C., F.I.C., F.R.S.E., submitted three communications The first dealt with

APOMORPHINE HYDROCHLORIDE.

Mr. Dott said the reaction for the formation of apomorphine from morphine by the action of hydrochloric acid was originally given by Matthiessen as

$$C_{17}H_{19}NO_3 = C_{17}H_{17}NO_2 + H_2O.$$

No attempt was made to explain the manner of action of the hydrochloric acid. Subsequently C. R. A. Wright gave his reasons for supposing that the reaction is of a complicated nature and proceeds in several stages. He also gave reasons for believing that the molecule is not represented by C_{17}, etc., but should preferably be stated as C_{68}, etc. In 1908 the present author (*C. & D.*, 1908, II., 945) suggested that the reaction of formation might be

$$2C_{17}H_{19}NO_3 = C_{34}H_{36}N_2O_5 + H_2O.$$

He found less HCl in the apomorphine hydrochloride than is required by the accepted empirical formula, and thought a condensation compound a more likely result than a mere elimination of the elements of water from the molecule. It should always be remembered that general dehydrating agents do not effect the formation of apomorphine from morphine. Wright obtained condensation products and polymerised bodies. The original

combustion figures for apomorphine are not so close but that they are capable of a slightly different interpretation than the empirical formula derived from them. In the 1908 note he mentioned that he had found as much as 5.21 per cent. of loss in weight by drying the air-dry salt under 100° C., also that Schmidt had found samples of hydrochloride to lose from 3.61 to 3.95 per cent., and remarked that the numbers do not correspond either to half-molecule H_2O or to one-molecule, the former requiring 2.88 and the latter 5.59. Although he (Mr. Dott) gave a formula for the hydrochloride, as ordinarily received, which showed one-molecule H_2O, he was careful not to state that the results found by drying the salt were susceptible of no other interpretation. An abstract of a paper by V. Paolini ("Atti R. Acad. del Lincei," 1913, 22, ii., 121) has been published in the "Journ. S.C.I.," xxxii., 922, in which it is stated positively that the formula is $C_{17}H_{17}NO_2HCl.\frac{3}{4}H_2O$. Paolini determined the molecular weight of the di-benzoyl derivative, from which he inferred that Mr. Dott's suggested C_{34}, etc., is untenable. The results, if conclusive, would also exclude Wright's formula. Admitting that Paolini probably adopted a correct method of determining the molecular weight, and that, if so, the original formula of Matthiessen must be retained, it by no means follows that we are to accept the simple equation

$$C_{17}H_{19}NO_3=C_{17}H_{17}NO_2+H_2O$$

as really representing the action of $HCl+H_2O$ on morphine. The action of other acids on morphine, the probabilities of the case, and the profound difference between morphine and apomorphine, both chemically and pharmacologically, suggest a series of reactions in some degree resembling those indicated by C. R. A. Wright. Quite evidently the equation suggested in Mr. Dott's 1908 note can be extended so as to yield a compound of the simple formula $C_{17}H_{17}NO_2$, viz. :

$$\text{I. } 2C_{17}H_{19}NO_3=C_{34}H_{36}N_2O_5+H_2O.$$
$$\text{II. } C_{34}H_{36}N_2O_5=2C_{17}H_{17}NO_2+H_2O.$$

The subject is one which needs fuller investigation. Probably by heating morphine with aqueous hydrochloric acid in a sealed tube for a limited time an intermediate compound would be found, which might yield apomorphine on further exposure to the action of the acid. On the question of the proportion of combined water in the hydrochloride, besides the 5.21 per cent. mentioned formerly, Mr. Dott said he has found 4.80, 5 06, and in a sample exposed to air for an exceptionally long time 4.31 per cent. :

$$C_{17}H_{17}NO_2.HCl.H_2O=3.59 \text{ per cent.}$$
$$C_{17}H_{17}NO_2.HCl.\tfrac{3}{4}H_2O=4.25 \text{ per cent.}$$

Paolini may be right in saying that there is a hydrate with the $\frac{3}{4}H_2O$ proportion, but the probabilities are in favour of a salt with one H_2O, which readily effloresces to about the proportion of $\frac{1}{2}H_2O$, and in warm air loses a still further amount.

Discussion.

Mr. Rutherford Hill, in the course of some remarks, said that the striking contrast between the physiological action of morphine and apomorphine supports Mr. Dott's view that the chemical change taking place is likely to be of a more complicated character than can be indicated by the simple suggestion that apomorphine was formed by the splitting-off of a molecule of water from morphine.

The Chairman said one sometimes wonders if the absolute datum in science is any more obtainable than the absolute zero. It is extraordinary how frequently in cases where it is thought finality has been reached necessity arises for a revision of formulæ.

Mr. Dott's next two papers were on

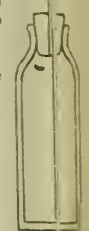
Spirit of Nitrous Ether.

In the first of these, on the "Estimation of the Spirit," he recalled some work upon which he reported thirty years ago, in the course of which he endeavoured to estimate with sodium thiosulphate the iodine liberated in the action between ethyl nitrite, potassium iodide, and sulphuric acid :

$$2C_2H_5NO_2+2KI+H_2SO_4=2C_2H_6O+2NO+K_2SO_4+I_2.$$

This estimation did not succeed, but Allen employed the same reaction, and instead of estimating the iodine measured the NO evolved. The Allen nitrometer is now official. Mr. Dott considers that the expense of the apparatus and its fragility prevent the spirit being more often estimated in the average pharmacy, and suggested the following modification of his own process.

A small bottle (1-oz. or $1\frac{1}{2}$-oz) is fitted with a cork through which is introduced a piece of the wider tube to reach just through the cork. A longer piece of the narrower tube has a small bulb blown on one end by aid of the bunsen flame. The top of the bulb is then blown out, so as to make a little funnel. This is indeed only a convenient refinement, as it is quite possible to introduce the liquids into the small tube by means of pipettes. Then find the capacity of the bottle up to the cork. Introduce that quantity of water, less 6 c.c., and make a scratch coinciding with the surface of the water. Empty the bottle and replace the cork with the tubes. To estimate a sample of spirit, introduce 4 c.c. of KI solution and 2 c c. dilute H_2SO_4. Then fill up to the mark with strong solution of magnesium sulphate (1 oz. crystals in 2 oz. distilled or boiled water). Then add gradually 5 c.c. of the spirit, just sufficiently slowly to avoid frothing up into the outer tube. Raise the inner tube an inch or so, and replace it so as to ensure complete mixing. After five minutes empty the contents into a small basin, rinsing with distilled water. Titrate at once with standard thiosulphate, noting the point at which the liquid when well stirred is just colourless.



With a little practice the determinations agree very well with those of the nitrometer, and are fairly close. If the number of c.c. of thiosulphate be multiplied by 0.15 the weight of the ethyl nitrite in 100 c.c. is indicated, the product divided by the specific gravity giving the percentage. The official minimum is 1.75, but of course, it should not be allowed to fall so low as that. It might be sufficiently correct to multiply the number of c.c. of thiosulphate by 0.178, assuming that the specific gravity of the spirit is 0.84 or very nearly it. [Mr. Dott gave a practical demonstration of the method.]

The other note was a report on a sample of the spirit which was made by him five years ago by interaction of sodium nitrite, alcohol, and sulphuric acid, and filtering from sodium sulphate deposited. The sample tested a few weeks ago showed 2.35 per cent. of ethyl nitrite.

Discussion.

Mr. Thomas Stephenson opened the discussion, and was followed by Mr. Murray, who did not see in this modification of Mr. Dott's original process any great advantage over the nitrometer method, which is more expeditious and simple to carry out. Mr. Innes Fraser defended the process as being of greater simplicity than that of the nitrometer. Mr. McDiarmid suggested that instability of the thiosulphate solution might be against the titration process. Mr. C. R. Hill did not agree that standard sodium-thiosulphate solution deteriorates rapidly. He suggested that the stability of the sample of 1908 spirit might be due to the fact that it was almost neutral, and not so acid as a spirit prepared by the official distillation process. The Chairman having conveyed the thanks of the meeting to Mr. Dott, the latter, in reply, said his process was not suggested as a rival to the nitrometer method in point of accuracy. It was the simplicity of the process he wanted to lay before them. He could confirm the statement that sodium-thiosulphate solution keeps well. One frequently heard remarks as to the instability of volumetric solutions which were not really well founded.

The next communication was a

Note on Tincture of Digitalis.
By R. Glode Guyer, Ph.C.

The British Pharmacopœia orders the whole leaf of digitalis to be employed, but an occasion occurred recently to have to prepare a tincture of digitalis, guaranteed to be made from the lamina of the leaf absolutely free from petioles, midrib, and veins, for experimental purposes. A parcel of fine leaves of 1913 collection, grown in Kent, was dealt with. The petioles, midribs, and veins being carefully detached and separated from the lamina, the lamina portion was reduced to powder and reper-

o make a tincture of the official strength, 2½ oz. per

separated petioles, midribs, and veins were like-owdered and another tincture prepared from them of ame strength—viz., 2½ oz. per pint. The physical nce between these two tinctures was not very d. The one prepared from the lamina had a fine hlorophyllic-brown colour, while that prepared from tioles, midribs, and veins had a dark greenish-brown . Both had a fine characteristic herbal smell of the re. The total solid content of each tincture was and the following figures were obtained :

ncture from lamina ... ... 5.87 grams per 100 c.c.
ncture from petioles, midribs,
and veins ... ... 5.29 grams per 100 c.c.

tinctures were then submitted to physiological nation by Dr. A. Goodall, and the following data as rmacological dose obtained, using Haynes' standard, demands that 20 grams frog weight require inims of tincture to form a lethal dose in four . [The author described how the physio-l experiment is carried out.] From the data ed it was found that the maximum dose 18 minims for the tincture prepared from the a and 16 minims for that prepared from the petioles, bs, and veins. Apparently, therefore, there is no t.al difference between the activity of the two ures.

DISCUSSION.

STEPHENSON said this communication raised the whole on of physiological standardisation, which, he thought, ery inferior to some method of chemical assay. He ot see how they could estimate the pharmacological of a preparation by its poisonous effects upon a num-f frogs. Some recent researches in regard to digitalis r indicated that there is no relationship between the nacological action of the drug and the toxic action poisonous constituents.

. RUTHERFORD HILL said the value of the paper was con-able, inasmuch as it gave the results of very careful iments, which yielded a valuable addition to their te information. While the question of physiological ardisation might be debatable, it would require a deal of proving to set aside the whole superstructure the pharmacology of digitalis.

. GUYER agreed that it was rather galling to submit efully prepared tincture to the decision of a few cold-led frogs, but so long as practitioners required such a hey must conform to it. He much preferred a definite ical assay, such as the shaking out of an alkaloid.

e CHAIRMAN said digitalis had a perennial fascination pharmacologists and chemists, but even yet they had exhausted the subject. As was well known, it was an ple of an old wife's cure. Mr. Guyer had added sub-ially to their definite knowledge, and had proved that tincture prepared from the entire leaf was of full cy, and all doubts on that point could be banished.

e next paper was a

NOTE ON DIGITALIC ACID.

By Thomas Stephenson, Ph.C., F.C.S., F.R.S.E.

this the author observed that the "Interstate ical Journal" recently contained an article by Louis pinski, describing experiments with a new principle ligitalis-leaf, viz. : "A resin, to which the fine green ur of the dried leaf is due : a body sometimes con-ded with chlorophyll, and set aside by chemist ex-menters as inert." This is Kolipinski's "digitalic l," and is regarded by him as the mother-source of the ous principles found in digitalis. The purest form he acid is obtained by extraction of the dried leaf h ether, but a form sufficiently pure for medical pur-es may be obtained by digestion with sodium hydrate subsequent neutralisation with sulphuric acid. For licinal use sodium digitalate is employed. This occurs deep green non-crystalline lamellæ of considerable re, soluble in water, with formation of a greenish-blue ution. When prepared from the precipitated resin it urs as a brownish-coloured powder, which forms a enish-brown solution with water. The dosage method ommended is to give a single daily injection of grain (0.0022 gram); in urgent cases the dose may repeated later in the day until the severity of the nptoms is mitigated.

FESTIVITIES.

A Boots' Dinner.

SIR JESSE BOOT entertained 160 branch managers of Boots, Ltd., in the London district to dinner at the Midland Grand Hotel, St. Pancras, London, on February 4. During the course of the evening the company drank in silence to the memory of Albert Thompson, their late general manager at Nottingham. Sir Jesse said Mr. Thompson had "worked with him faithfully and well for more than thirty years." He was with them when they had only three shops, and all through plodded on with unwearying patience, always trying to smooth away difficulties, taking not only his fair share of work, but carrying the burdens of others. "Amiable and loving to a degree, he was the friend of all."

Social Evenings.

THE members and friends of the Southampton Pharmacists' Association to the number of fifty were present at a successful social evening at the Bungalow Café on January 28. The President (Mr. W. Bates), with Mrs. Bates, received the guests at 8 P.M. The evening was devoted to cards, singing, and recitations. The President, in a short speech, welcomed the guests, and Mr. Baker, Cosham (Hon. Secretary of the Hants Association), and Mr. Bartlett, of Winchester (Hon. Treasurer), replied. A vote of thanks to the President was proposed by Mr. F. B. Wride (Hon. Secretary), who announced that Mr. Bates had been elected with Messrs. Bilson and Barlow to the County Pharmaceutical Service Sub-Committee.

Combined Clubs' Dinner.

AT the annual dinner and prize distribution of the combined clubs of Messrs. Ferris & Co., Ltd., held in Bristol last week, Mr. H. H. Townsend presided. Both Cricket and Horticultural Societies reported satisfactory seasons and balances on the right side. Mr. H. Weekley (Secretary of the Cricket Club) paid a tribute to the great assistance received from the firm. The prizes were awarded as follows: First XI.—First Prize and Challenge Bowl, W. Caine; Bowling, T. Seaviour. Second XI.—First Prize and Challenge Bowl, C. Llewellyn; Bowling, A. Lane. Special Prize, A. Butcher. The Horticultural Section held six shows during the year, and paid visits to various gentlemen's gardens. The Secretary (Mr. Geo. Baker) reported that the membership of the Society was sixty-one. Mr. A. E. Sage, F.R.H.S. (London Parent Society), was presented with a silver floral vase by the Horticultural Society in appreciation of his services as Hon. Judge.

Cardiff Pharmaceutical Association.

THE fourteenth annual dinner of this Association was held in the Angel Hotel, Cardiff, on January 28. The President (Mr. W. R. Williams) was supported by the Lord Mayor (Alderman Dr. Robinson), Mr. Jabez A. Jones (President of the Chamber of Trade), Dr. Ewan Maclean, Dr. Meredith Richards, Mr. F. E. Bilson (Bournemouth), Mr. A. Hagon, Mr. Leo Joseph, J.P., and others. In reply to the toast of "The City of Cardiff," proposed by Mr. J. A. Jones, the Lord Mayor congratulated pharmacists on the unity they had shown in connection with the Insurance Act. They had exhibited a spirit of good feeling, and were giving the Act a trial. He hoped the time would come when dispensing would be taken from medical men. He was quite sure they did not want it, because they had enough to do without it. The toast of "The Pharmaceutical Society" was proposed by the President, and responded to by Mr. F. E. Bilson and Mr. A. Hagon. The former said the Council is in earnest in looking after the interests of the profession. They are all practical men, and vital work had been dealt with during the past year. With regard to Insurance matters, he said chemists have not yet got all they deserve, but by organisation they hoped to obtain many more concessions. Mr. Hagon also spoke of the efforts of the Pharmaceutical Council. The toast of "The Medical Profession" was proposed by Mr. Leo Joseph, and Dr. Ewan Maclean replied. Mr. Hagon, in proposing "The Welsh Insurance Commission," said the one outstanding feature was that out of the great number of prescriptions dispensed there had been no serious complaint on the part of the public. Dr. Meredith Richards, in reply, said that during the past twelve months some two million odd prescriptions had been dispensed in Wales, and out of 720,000 insured persons only two had made arrangements with herbalists instead of medical men. Mr. E. Poole proposed "Kindred Associations and the Visitors," to which Mr. H. M. Lloyd (Mayor of Merthyr) and Mr. C. G. Brown (Deputy Town Clerk of Cardiff) responded. The toast of "The Local Association" was submitted by Mr. Bilson, and responded to by Mr. F. Lea and Mr. J. Murray. An enjoyable musical programme was gone through during the evening.

Whist-parties.

The South-East Essex Association of Pharmacists held a successful whist-drive at the Wellcome Club, Southend-on-Sea, on January 28. The President (Mr. J. H. Heywood) welcomed the members and their friends. The names of the winners were: *Ladies*—(1) Mrs. Cowe, (2) Mrs. Hancock; *Gentlemen*—(1) Mr. Green, (2) Mr. Hamilton. During an interval a musical programme was provided, Mrs. Bush (at piano), Mrs. Carpenter, Mr. Bush, Mr. Hamilton, and Mr. Page entertaining the company. At the conclusion the prizes were presented by Mrs. E. A. Holloway, to whom a vote of thanks was accorded. Mr. Holloway replied in his usual racy style. The arrangements had been entrusted to Messrs. Body and Bush, and their efforts were crowned with success.

The Sheffield Pharmaceutical and Chemical Society held a combined whist-drive and dance at Davy's Café, Fargate, on January 29. The first part of the evening was taken up with cards, the President (Mr. J. Gilbert Jackson) supervising, assisted by the Vice-President (Mr. J. T. Appleton) and the Secretary (Mr. H. G. Williams). The winning ladies were (1) Mrs. Trippett, (2) Mrs. Alcock, (low) Miss Vance; winning gentlemen—(1) Mr. Harvey, (2) Mr. F. Capps, (hidden number) Mr. Trippett. The prizes were given by Messrs. Jackson, Appleton, J. Evans, J. S. Oswald, H. G. Williams, and B. Ellis. After supper, which was served in the lower Hall, the 120 present returned to the large Oak Room, when the President acted as M.C. for dancing, assisted by several stewards. The dance was kept up until the early hours of the morning after a very enjoyable night.

COMING EVENTS.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be sent to the Editor by Wednesday of the week before the meetings, etc., occur.

Tuesday, February 10.

Pharmaceutical Society of Great Britain, 17 Bloomsbury Square, London, W.C., at 8 P.M. Mr. R. S. Wright, A.M.I.E.E., on "The Applications of Electricity" (Lecture II.).

Wednesday, February 11.

Blackpool and Fylde Pharmacists' Association. Annual dinner at Blackpool.

Ealing Pharmacists' Association, Buot's Restaurant, Sandringham Parade, Ealing, W., at 7.30 P.M. Whist-drive. Tickets (2*s.* 6*d.* each) from Mr. Roberts, Chemist, Acton; Mr. Weston, Chemist, Ealing; or Mr. Udale, Hanwell Asylum, W.

Edinburgh Chemists', Assistants', and Apprentices' Association, 36 York Place, at 8.30 P.M. "Notes and Queries," by Mr. W. Duncan, Ph.C.

Manchester Pharmaceutical Association, Chemical Club, Victoria Hotel, at 8 P.M. Mr. W. Kirkby, M.Sc., on "Rome: A Personal Impression."

Newcastle-on-Tyne Chemists' Association, Hôtel Métropôle, Clayton Street West, at 8 P.M. Mr. T. Maltby Clague on "The Electrolytic Treatment of Lead-poisoning."

Western Chemists' Association, Restaurant Frascati, Oxford Street, London, W., at 8 P.M. Meeting.

Thursday, February 12.

Chemists' Assistants' Association, Bonnington Hotel, Southampton Row, London, W.C., at 9 P.M. Dr. C. A. Swan, lantern lecture, "Impressions of Algiers."

Halifax Chemists' Association, Old Cock Hotel, at 6.30 P.M. Annual dinner. Tickets (3*s.* 6*d.* each) from Mr. R. V. Sutcliffe, 64 King Cross.

West Ham Association of Pharmacists, London Tavern, Fenchurch Street, London, E.C., at 6.30 P.M. Annual dinner. Tickets (5*s.* each) from Mr. A. H. Cleland, 180 High Road, Leytonstone, N.E. Among those who have promised to attend are Sir Richard Winfrey, Mr. W. S. Glyn-Jones, and Mr. E. White (President of the Pharmaceutical Society).

Friday, February 13.

Royal Institution of Great Britain, Albemarle Street, Piccadilly, London, W., at 9 P.M. Professor J. Norman Collie on "The Production of Neon and Helium by Electric Discharge."

Thames Valley Pharmacists' Association.—A whist-drive will be held at "The Pagoda," 30 Hill Rise, Richmond, on February 18. Tickets (2*s.* 6*d.* each, double tickets 4*s.* 6*d.*) can be had from Mr. W. H. Peake, The Green, Twickenham; Mr. Alfred Higgs, 42 Richmond Road, Kingston-on-Thames; or Mr. F. Harvey, 1 Claremont Road, Surbiton.

Chesterfield Pharmacists' Association.—A whist-drive and dance will be held on February 16 at the Market Hall. Whist will commence at 8.30, dancing at 11. Tickets from Mr. J. H. Toplis, Hon. Secretary.

School of Pharmacy.—The annual dinner will be held in the Gordon Room, Holborn Restaurant, London, W.C., on February 20, at 7.30. Mr. Edmund White, B.Sc., F.I.C., has consented to take the chair. Tickets (6*s.* 6*d.* each) can be obtained from the Secretaries, Messrs. Collen and Rogers, 17 Bloomsbury Square.

TRADE REPORT.

The prices given in this section are those obtained by impo rs manufacturers for bulk quantities or original packages. ' hes prices various charges have to be added, whereby valu re many instances greatly augmented before wholesale al receive the goods into stock, after which much expense y incurred in garbling and the like. Qualities of chemicals ur oils, and many other commodities vary greatly, and gh prices than those here quoted are charged for selected qli of natural products even in bulk quantities. Retail ye cannot, therefore, for these and other reasons, ex t purchase at the prices quoted here.

42 Cannon Street, London, E.C., Februa 5.

MINCING LANE reports business in produce as been poor this week and without improvemci b apart from this, a fair demand for chemicals and ru has been shown. Price movements have, howevcr be few. Menthol has been extremely quiet both on sp an to arrive; Japanese mint oil has sold at eas er ra f forward shipment. Opium is barely steady, and n e Chamomiles remain firm, and celery seed is much ar on active export buying. English medicinal castor 2*s.* 6*d.* per ton higher. Definite prices for new L te oil are not yet available. Russian ergot is easier to ive and taraxacum still scarce. Among essential oils. m is again lower, bergamot being unchanged and te orange dearer. Geranium oil (Bourbon) is again ch er. Spices have been fairly active, with a large busin n pepper at higher rates. In chemicals, arsenic is uite steady. Cream of tartar and tartaric acid are very m, a good contract business being done in the latter. tric acid is nominal. Iodol is dearer and quinine steady. an tonin was advanced 4*s.* 6*d.* per lb. to-day.

Higher	Firmer	Easier	Lowe
Celery-seed Iodol Nutmegs Pepper Santonin Sarsaparilla (Grey Jam.)	Canary-seed Castor oil (English) Copper Sulphate Kola Orange oil (bitter)	Ammonia sulphate Capsicin Ergot Linseed Mint oil (Jap.) c.i.f.	Cardam s (Wild Nive Caraway ed Cod-live il (.3) Honey Ipecacua a (Carta a) Lemon o Shellac Turpenti

Cablegrams.

Bergen, February 4.—If the weather permits the ro-spects for the Lofoten cod-fishing are fair. The ch of cod for the whole of Norway is 1,482,000, ag st 5,899,000 for the corresponding week of last year, d the yield of oil is 1,729 barrels, against 5,070 ba s. Market is dull at about 83*s.* 6*d.* c.i.f. for finest w non-congealing oil.

New York, February 4.—Business in drugs is mode e, opium is higher at $6.25 per lb. for druggists' in se lots. Peppermint oil in tins is dull at $3.50. Mand e (podophyllum) root is steady at 10c. Mexican sa-parilla is firmer at 26c. Cartagena ipecacuanha has e-clined to $1.60. Both cascara sagrada and copaiba ba m are unchanged.

London Markets.

Acetanilide.—Pure crystals or powder in 1-cwt. gs is quoted at 10½*d.* per lb. net.

Acetylosalicylic Acid in 14-lb. lots is quoted t 1*s.* 11*d.*, and 1-cwt. lots at 1*s.* 10½*d.* per lb. net.

Aniseed is steady at 26*s.* 6*d.* to 27*s.* 6*d.* per cwt. r fair to good Russian. Spanish is quoted 32*s.* 6*d.* to s. per cwt.

Arsenic is firm, with best white Cornish powder o-ing at 15*l.* per ton in barrels and 16*l.* in kegs on the s

BELADONNA-ROOT.—Sellers are asking 50*s.* per cwt. but it is difficult to get on at this price; last business appears to have been at 45*s.* c.i.f. In auction was wanted for 2 bales, without test.

BERGAMOT OIL is unaltered, with 38 per cent. esters at 18*s.* 8*d.* c.i.f.

A Sicilian advice dated January 31 states that it has been to save something further on last week's prices, several parcels changed hands at the beginning of the After this new decline had taken place a little more ce was shown by sellers.

CAMPHOR (REFINED).—Privately business has been done February-March shipment at 1*s.* 5¾*d.* per lb. c.i.f. for Japanese tablets. In the drug-auction ten cases size were limited at 1*s.* 6*d.*, and five cases ½-oz. ther interest) at 1*s.* 7*d.*

CAMPHOR OIL.—The recent high prices have brought sellers of several badly adulterated parcels.

CANARY-SEED is rather dearer owing to restricted offers La Plata. Ordinary Morocco has been sold at 80*s.* arter and Turkish at 85*s.*, and holders are now higher prices. The market in Turkey is also d to be dearer. Fine qualities are firm at 110*s.* od Morocco and 115*s.* to 130*s.* for good to fine n.

CANNABIS INDICA.—A small sale of genuine Bombay tops en made at 7*s.* per lb. It is reported that from 26 the excise duty is to be further increased, which ve the effect of practically prohibiting exports. In ug-auction 4 cases Marmagoa siftings were limited and for 5 cases loose and dusty African tops 1*s.* 9*d.* anted.

CAPSICIN.—Makers offer at a slight reduction of 6*d.*, g 12*s.* per lb. net.

CARAWAY-SEED is lower at 26*s.* 6*d.* per cwt. for good on the spot.

CASTOR OIL.—English make is 2*s.* 6*d.* per ton dearer 15*s.* for first pressings in barrels, prompt and sitions over 1914; pharmaceutical quality being s., with the usual 50*s.* per ton extra in tins in delivered free on wharf London.

CELERY OIL.—English distilled from new-crop seed is l at the reduced price of 42*s.* per lb. This was, er, previous to the advance in seed.

CELERY-SEED has sharply advanced, a large American having absorbed much of that offering here. l tons have been sold at prices starting from 62*s.* 6*d.* and advancing to 85*s.* on the spot. Various are named for shipment from the Continent—viz., o 95*s.* c.i.f.—but it is expected the price will go to and at the close it is difficult to get firm offers.

CHAMOMILES remain firm, with fair Belgian offering s. on the spot, and for good white, which are , from 60*s.* to 70*s.* is wanted.

CHILLIES.—Japanese on spot are quoted at 50*s.* and East an at 50*s.* c.i.f.

CINCHONA.—The exports from Java during January ted to 1,528,000 Amst. lb., against 1,307,400 Amst. 1913, 1,307,400 Amst. lb. in 1912, and 1,421,000 lb. in 1911.

CITRIC ACID is a dull and nominal market at 1*s.* 11¼*d.*

CLOVES.—Quiet, with sellers of Zanzibar of new import *d.* and old crop at 6⅛*d.* spot. To arrive the sales de January-March at 5 11/16*d.* and sellers of March-May ⅜*d.* c.i.f. d.w. For delivery a fair business has been including 1,600 bales June-August at 6*d.* to 5 15/16*d.* to closing sellers 5⅞*d.*

COCA-LEAVES.—The exports from Java to Europe during ary 1914 amounted to 4,355 packages, against 4,400 ages in 1913. In the London drug auctions a bid of s to be submitted for 16 bales Java broken green o brown and brown siftings.

COCOA BUTTER.—At the Amsterdam auction 63 tons Houten's A sold at 85.40 cents, 69 tons B at 82.33 s, and 65 tons Blooker at 80.78 cents per half-kilo.

COD-LIVER OIL.—The tendency of the market is down- so far as 1913 oil is concerned, less esteemed brands hich are offered at 78*s.* c.i.f., but for finest Lofoten quality from 82*s.* to 84*s.* c.i.f. would have to be paid. As regards 1914 oil, business has barely commenced, buyers preferring to wait developments, with several agents offering 1914 Lofoten oil for February-March shipment at 90*s.* c.i.f.

Messrs. Freudentheil & Co., in their first report of the present season, give the following cabled statistics of the catch and output up to January 31 last:

	Catch of Cod	Livers for Raw Oil (hect.)	Yield of c.l.o. (hect.)
Lofoten, 1914...	—	—	—
Do. 1913...	89,000	94	48
Whole country, 1914...	1,500,000	693	1,729
Do. 1913...	5,900,000	1,888	5,070

Our last letter received from Norway reported very stormy weather in the Lofoten Islands fishing grounds.

Our Bergen correspondent writes on February 2 that the stormy weather continues, and consequently the fishing is quite irregular, and the quantity caught is far below that of last year, and hardly worth mentioning. The first Lofoten report gives the following details of the condition of the cod:

	1912	1913	1914
Weight of 100 cod (kilos.)...	290 to 300	240 to 325	440
Number of livers (per hect.)	400 to 550	450	380 to 503
Oil percentage in liver.....	40 to 45	not stated	not stated

Interest is very limited in the market, even for new oil, and the quotation is rather nominal at about 83*s.* 6*d.* c.i.f. for prime new non-congealing oil.

CODEINE.—The February lists of the makers leave prices unchanged, the 175-oz. contract quotation being 11*s.* 5*d.* per oz. for pure crystals.

COPPER SULPHATE is firmer, with the usual Liverpool brands offering at 22*l.* 5*s.* per ton.

CORIANDER-SEED is in little demand, and prices are unaltered at 14*s.* per cwt. for wormy and 19*s.* for good Morocco. Good East Indian is offering at 14*s.* per cwt.

CREAM OF TARTAR remains very firm, 98-per-cent. powder offering at 94*s.* and 95-per-cent. at 92*s.* per cwt.

CUBEB OIL.—Keen competition among distillers has resulted in rather lower prices, English being quoted 14*s.* per lb.

CUMIN-SEED is steady at 25*s.* per cwt. for ordinary Morocco and 28*s.* for good.

ERGOT.—Russian is offering for forward shipment at rather cheaper prices—viz., 1*s.* 9*d.* per lb. c.i.f.

FENUGREEK-SEED is slow, with retail sales at 10*s.* 6*d.* to 10*s.* 9*d.* per cwt. for Morocco.

GALLS.—The sales include 400 cases Chinese usual shape at 51*s.* 9*d.* c.i.f. for February-April shipment. Persian blue are quiet at from 48*s.* to 49*s.* on spot.

GERANIUM OIL.—Guaranteed pure and genuine Bourbon is cheaper at 13*s.* 9*d.* per lb., free delivered

GINGER.—Sierra Leone is steady but quiet, with sales of 50 tons new crop in Liverpool at 18*s.* per cwt. Washed Cochin has been sold privately in London at 24*s.* 6*d.*

IODOL has been advanced about 3*s.* 6*d.* per lb. to 45*s.*

LAVENDER OIL.—With the practical exhaustion of stocks of English in first-hands, finest is much higher than when last quoted, the value being about 60*s.* per lb.

LECITCHIN.—Pure from egg is quoted at 26*s.* per lb. in 1-lb. tins.

LEMON OIL.—The tendency is again easier both on spot and forward, and in consequence of fair arrivals sellers are anxious to make progress. New crop for prompt delivery is offered at 9*s.* 6*d.* per lb. ex warehouse London, for guaranteed pure and genuine; for prompt and forward shipment, prices vary from 8*s.* 6*d.* to 9*s.* 3*d.* c.i.f. terms.

A Sicilian advice dated January 31 states that the continued lack of business of which we have been speaking in our last reports culminated this week in a general relaxation, which was also fostered by the unfavourable returns which shipments of fresh fruits have shown of late. Prices for the fresh fruits have consequently given way, while the improved weather conditions made the gatherings more abundant. The weakness of the lemon-oil market, which had been merely nominal so far, developed into an actual decline of prices. Those buyers who had waited until the

last moment before covering their requirements for January shipment thus had the opportunity of operating on a very easy market, and of obtaining gradual reductions in prices.

Linseed is easier at 50*s.* to 51*s.* 6*d.* per quarter for good clean quality.

Menthol.—Both the spot and arrival markets have been extremely quiet throughout. In the former position sellers quote 13*s.* 6*d.* to 13*s.* 9*d.* for Kobayashi-Suzuki, which is unchanged. For February-April shipment, combined with oil, 15*s.* 6*d.* c.i.f. has been paid from second-hand sellers, but 16*s.* c.i.f. was subsequently asked for this position. At the close sellers quote February-April at 15*s.* 3*d.* to 15*s.* 6*d.* combined with oil. The *Kaga Maru* has brought forty cases menthol and fifty cases oil to London.

Mint Oil (Japanese).—The arrival market is easier, with a fair business for January-March, February-March, and March-April shipments at from 4*s.* 4½*d.* to 4*s.* 3*d.* c.i.f. for Kobayashi-Suzuki. Spot price is 4*s.* 9*d.* In the drug auction two cases Kobayashi were limited at 4*s.* 9*d.*

Morphine.—Makers are now able to effect quicker delivery; prices are about 7*s.* 9*d.* to 8*s.* per oz. for hydrochloride powder.

Nux Vomica.—Steady, with business in Madras description at 8*s.* 9*d.* per cwt. c.i.f. terms.

Oils, Fixed.—*Linseed* firm at 23*s.* 9*d.* in pipes and 24*s.* in barrels. *Coco-nut* is steady at 46*s.* for Ceylon and 54*s.* for Cochin. *Cotton-seed* is quiet at 29*s.* 3*d.* for crude on spot, 29*s.* 9*d.* for ordinary pale refined, and 33*s.* 6*d.* to 34*s.* 6*d.* for sweet refined. Other spot quotations are as follows: *Soya* oil, 26*s.* 6*d.* to 28*s.* 6*d.*; *ground nut* oil, 38*s.* 6*d.* to 47*s.*; finest English *Colza*, 32*s.* 3*d* to 33*s.* 6*d.*; finest foreign, 33*s.* 9*d.* to 36*s.*; *Lard* oil, 41*s.* 6*d.* to 57*s.* 6*d.*; *seal* oil, 19*l.* to 27*l.* per ton; *whale* oil, 19*l.* to 25*l.*, and bright *sperm* oil, 26*l.* to 29*l.* per ton.

Opium.—Turkey is about steady, but quiet, at from 13*s.* 3*d.* to 13*s.* 6*d.* per lb. c.i.f. for 11-per-cent., and on the spot from 15*s.* to 15*s.* 6*d.* is quoted for druggists'. Persian is also quiet, but very firm, at from 19*s.* to 21*s.* 6*d.* per lb.

A Smyrna correspondent writes on January 23 that the sales this week amount to 244 cases of druggists' manufacturing qualities at from 13*s.* 8*d.* to 15*s.* and four cases fine rich Yerli at 16*s.* 6*d.* The weather is turning very cold in the upper districts, which precludes any attempt to continue the sowings, and thus, coupled with short sowings during the fall season, we have to report up to this date a large deficit in the acreage under cultivation. The arrivals are 4,284 cases, against 2,240 cases at same date last year.

A Constantinople correspondent writes on January 31 that the sales of the week were 47 cases druggists' at from ptrs. 190 to 205, 21 cases "softs" at from ptrs. 250 to 280, and 16 cases Malatias at ptrs. 228 to 230. In consequence of the important sales which have taken place this week here, as well as in Smyrna and Salonica, holders maintain their prices, tho more so as the new crop is a long way off. The weather continues to be moderate. The arrivals in Constantinople amount to 3,177 cases, against 2,421 cases, and the stock is 963 cases, against 1,025 cases.

The monthly circular of a London house states that the changes in the market during January were limited. A fair demand has existed, on the strength of which an effort was made by holders to maintain the higher prices established last month. They were not successful, however, as buyers did not respond, and to-day holders are more disposed to entertain business; indeed, judging from the latest reports on the prospects for the next crop, it seems very probable that prices may now become slightly easier if buyers continue to stand aside. The sowings are said to be favourable, although there is some uncertainty with regard to Salonica, where it is reported very little seed has been put into the ground. The weather, however, continues mild, and this has allowed operations to progress favourably in all other districts.

Orange Oil.—Sicilian sweet is unaltered at 10*s.* 3*d.* per lb. c.i.f., but bitter is dearer at 11*s.* 3*d.* c.i.f.

A Sicilian advice dated January 31 reports a quiet market, with very little doing. There seems to have been no blank engagements to cover this month.

Orris.—Florentine is in good demand, the value of fair sorts on the spot being about 75*s.*; to arrive, ordinary sorts are quoted at 69*s.* c.i.f., and best at 71*s.* c.i.f.; 111 packages have arrived from Leghorn, but they are practically all sold.

Pepper has been active and dearer. Sellers of Singapore now quote 5⅛*d.* spot, and the sales to include March-May shipment at 4¹⁵⁄₁₆*d.* to 5*d.*; April-June and August-October at 4¹³⁄₁₆*d.* c.i.f. also dearer, a large business having been done, chiefly Muntok kind, at higher rates. Sellers of spot Singapore now quote 8⅞*d.* to 9*d.* and fair Muntok 9½*d.*; to arrive sales include about 100 tons Singapore at 8⅝*d.* for April May, and Muntok at 9¹⁄₁₆*d.* to 9⅛*d.* for near at hand January-March; also March-April at 9⅛*d.*

Peppermint Oil.—American is steady but quiet; brands in tins from importers offering at 15*s.* 3 net. H.G.H. remains firm at 18*s.* London terms.

Mr. F. M. Rudd writes to his London agents (W. Greeff & Co.) on January 26 as follows: "Peppermint continues to advance slowly, and we know of none now being offered by growers at anywhere near the ruling market price. Many more inquiries are coming in from consumers, and New York houses are asking for prices in round lots. We prefer to hold for better figures, and think the condition of the market will justify our position. A large part of the small stocks of peppermint in growers' hands has just been picked up by Western dealers, who are buying to hold for a considerable advance. New York has also advanced both their selling and buying prices again and it will not be long, in our opinion, before the market will be on a considerably higher level. It will be easier to sell at a shilling higher than it is now."

Pimento is offered at 2*d.* per lb. spot and at 17*s.* c.i.f.

Quillaia remains firm, with business in Liverpool at 29*l.* per ton c.i.f.

Quinine remains very steady at from 1*s.* 0½*d.* to 1*s.* 0½*d.* per oz. for German sulphate from second-hands, according to seller and age.

The landings in London during January were 47,[illegible] oz. and the deliveries 90,656 oz., leaving a stock on January 31 of 3,365,712 oz., against 3,635,488 oz. in 1913.

Santonin.—An advance of 10m. per kilo., equal to 4*s.* 6*d.* per lb., is announced to-day (Thursday) by the Santonin Syndicate. This makes the official price in 1-cwt. lots in one delivery 106*s.* 9*d.* per lb. net. Second-hand price for small lots would probably be from 107*s.* 6*d.* to 109*s.*, as to quantity and holder.

Shellac has been quiet, the spot value of fair TN orange being 76*s.* to 77*s.*, and free A C Garnet 78*s.* to arrive sellers of February-March shipment quote 77*s.* 6*d.* c.i.f. and A C Garnet 73*s.* c.i.f. Futures are firmer, with a moderate business, including March at 75*s.* 6*d.* to 76*s.*, May 78*s.* to 79*s.* 6*d.*, and August 79*s.* to 81*s.* 6*d.*

Taraxacum.—Both foreign and English are very scarce, with a little of the latter offering at 43*s.* and foreign at 50*s.* for whole.

Tartaric Acid is very firm, and a large contract business has been done at between 1*s.* 0¼*d.* and 1*s.* 0½*d.* for foreign, the higher price being more current at the close. English remains at 1*s.* 0¾*d.*

Tonka Beans.—Small sales of frosted Para have been made privately at 2*s.* 6*d.* per lb.; to arrive 2*s.* 3*d.* c.i.f. is quoted; 29 cases Para were bought in at auction.

Turpentine is about 4½*d.* per cwt. cheaper on the week, American closing at 32*s.* and March-April 32*s.* 3*d.* French is quoted 32*s.* 6*d.* to 32*s.* 9*d.* and Russian ordinary and rectified 23*s.* 6*d.* to 26*s.*

London Drug-auctions.

Commercial Sale Rooms,
Mincing Lane, February 5, 19[illegible]

Very little competition was shown at the auctions of [illegible] and second-hand drugs to-day, and the bulk of the offerings was bought in, the session concluding in good time for lunch. Cape aloes only partially sold, good descriptions being held above buyers' ideas, while medium and common grades were generally steady. Sumatra benzoin was [illegible] and unaltered, and of Siam a large quantity was bought in. Cardamoms were firm to dearer, but native wild was lower. Dragon's-blood and gamboge neglected in sale, but liquorice has been done privately. Honey tending lower, with mostly middling qualities offering. Matto Grosso ipecacuanha was firm, and a good quantity of Cartagena was disposed of at a decline of 6*d.* to 9*d.* per lb. Myrrh steady. New orange-peel dearer. Rhubarb quiet. Grey Jamaica sarsaparilla 2*d.* dearer, and Native firm. Practically no

offered, and the limited supplies of beeswax brought ates. The following table shows the quantity of goods d and sold:

	Offered	Sold
gar	5	0
–		
e	68	21
strine	40	0
zibar ... (es.)	17	*1
to seed	28	0
n peru	5	0
n tolu	17	0
lonna-root	2	0
n—		
embang	10	0
	75	0
atra	67	13
	33	0
ba	110	0
hor (Ch cr.)	8	0
hor (ref.)	27	0
bis indica	9	0
arides (Ch.)	1	0
moms & seed	80	16
a sagrada	49	0
rilla	43	1
w nuts	20	0
fistula	23	0
rum (tins)	3	0
moogra oil	2	0
ona	20	0
leaves	30	0
neal	6	0
ynth pulp	5	0
ba	4	0
n-seed	28	0
bs	41	0
n's-blood	31	*4
l	29	0
b	23	0
lyptus oil	27	0
anum	3	0
ouge	16	0
ian	14	0
acacia	70	0
y—		
ban	34	25
yti	20	0
n ica	48	7
w Zealand	43	6
Lucia	5	4

	Offered	Sold
Honey—		
San Domingo	30	0
West Indian	14	6
Ipecacuanha—		
Cartagena	43	34
Matto Grosso	17	12
Jalap	12	0
Kamala	4	*1
Kino	10	0
Kola	41	34
Lemongrass oil	10	0
Lime-juice (pns.)	6	6
Lime oil	3	1
Mastich	2	0
Mint oil (Jap.)	2	0
Myrrh	31	8
Nux vomica	62	0
Olibanum	58	0
Orange-peel	14	1
Papain	9	0
Puree	4	0
Rhubarb—		
China	39	8
Sandalwood	65	0
Sarsaparilla—		
Grey Jam	7	7
Lima-Jam.	7	7
Native Jam.	10	10
Scammony-root	100	0
Seedlac	40	*20
Senna and pods—		
Alex	19	0
Tinnevelly	61	10
Soy	15	0
Squill	10	0
Strophanthus	4	0
Tamarinds	89	*5
Tonka-beans	29	0
Tragacanth	2	2
Turmeric	277	20
Vermilion	2	0
Wax (Bees')—		
East African	70	45
East Indian	101	0
Morocco	32	*5
Syrian	2	0
Wax, Veg., Jap.	25	25

* Sold privately.

GAR-AGAR.—For 5 bales fair Kobe strip 1*s.* 7*d.* was ted.

LOES.—There was practically no demand for good e, but medium and common sold at generally steady s. The following prices were paid : Mossel Bay (20 per . taxes), fair to good hard bright firsts, 39*s.* to 40*s.*; l seconds, part slightly soft, 37*s.* to 38*s.*; and ordinary , part drossy and softish, 35*s.* to 36*s.* A bid of 40*s.* 6*d.* o be submitted for fine bright firsts. A new lot of kegs of fair pasty Socotrine were held at 50*s.* per cwt.

he exports from the Union of South Africa during ember were 63,806 lb. (656*l.*), against 72,669 lb. (806*l.*) November 1912. For the eleven months ending Novem- the exports were 637,296 lb. (7,261*l.*), against 759,058 lb. (94*l.*) in 1912.

BALSAM TOLU.—For fair quality, a little softish and htly drossy, 2*s.* 3*d.* was wanted. A New York cable been received quoting 2*s.* 9*d.* c.i.f., with a strong rket on that side.

BENZOIN.—Sumatra was steady, six cases of good almondy onds selling at 8*l.* 2*s.* 6*d.* per cwt., and for four cases ldling seconds with small to bold almonds 6*l.* 10*s.* was d. Ten cases fair Palembang seconds were limited at . A large quantity of Siam was bought in. A bid 26*l.* per cwt. was refused for small to bold loose pale m almonds of the fair flavour; dusty sorts, second e, were limited at 22*l.*, loose bold pea and bean size 18*l.*, pea-size almonds in shivery block at 15*l.*, and small ins in block 12*l.* per cwt. The *Perseus* has brought 7 cases from Singapore.

BUCHU met with no demand. Round leaf was limited from 5*s.* to 5*s.* 9*d.* as to colour and absence of stalk otherwise; fair greenish slightly stalky longs were ob- nable at 4*s.* 6*d.*, and ovals at from 2*s.* 3*d.* to 2*s.* 5*d.*

The exports from the Union of South Africa during November 1913 amounted to 10,604 lb., valued at 1,451*l.*, against 4,759 lb., valued at 848*l.*, in November 1912. For the eleven months ending November 1913 the exports were 150,118 lb. (29,717*l.*), against 216,955 lb. (37,229*l.*) in 1912, or 66,837 lb. less.

CAMPHOR (CRUDE).—Eight cases China crude were limited at 165*s.* per cwt.

CARDAMOMS were firm to dearer, seeds firm, and *wild* native lower. The following prices were paid : Ceylon-Mysores, extra bold fine pale, 6*s.* 2*d.*; good bold fine pale, 5*s.* 8*d.*; medium ditto, 5*s.* 4*d.*; small, 5*s.* 3*d.*; tiny, 4*s.* 9*d.*; and good splits, 4*s.* 5*d.* Three cases small and medium brown Alleppy sold at from 4*s.* to 4*s.* 1*d.*; two cases fair small to medium *wild* native realised 3*s.* 4*d.*, and a small case of seed went at 5*s.*

CASCARILLA.—A single bale of small lean quill, partly mixed with fibrous and with sand, sold at 80*s.* per cwt.

DRAGON'S-BLOOD.—Four cases of broken slab of middling colour had been sold privately; for six cases inferior lump 90*s.* was wanted. The *Perseus* has brought 15 cases from Singapore.

GENTIAN.—Fourteen bales of very chumpy and woody fractured root were limited at 26*s.* 6*d.* per cwt.

HONEY was extremely slow of sale and tended downwards. Of Jamaica seven packages sold, including dull brown liquid in barrels at 25*s.*, grainy setting at 25*s.*, and fermented at 20*s.* Six cases nice pale set West Indian realised 34*s.*; 34 tierces Cuban practically all sold, comprising fair to good white set 25*s.* to 30*s.*, and fair amber liquid 27*s.* to 28*s.*; common ditto, 25*s.* Four casks of fair setting yellow New Zealand sold at from 20*s.* 6*d.* to 21*s.* per cwt. In Liverpool Chilian Pile III. for April-May shipment is quoted 20*s.* per cwt. c.i.f.; 160 barrels Chilian have arrived at that port.

IPECACUANHA.—Matto Grosso was about steady, seven bales of mostly good bright native-picked root selling at from 8*s.* to 8*s.* 1*d.*, and for five bales sea-damaged from 7*s.* 6*d.* to 7*s.* 8*d.* was paid. Nine bales of Cartagena sold at from 6*s.* 9*d.* to 6*s.* 10*d.*, being from 6*d.* to 7*d.* cheaper for fair average quality. From another catalogue 17 bales of Cartagena of good quality were "knocked down" at from 6*s.* 6*d.* to 6*s.* 9*d.* per lb. It is reported that another parcel of Johore is on the water. A further 2 bags sea-damaged Cartagena sold at 6*s.* 1*d.* to 6*s.* 3*d.*

KOLA.—Rather firmer; 29 bags of good bright dried halves and whole West Indian realised 3¼*d.*, and for five bags fair a little dark 2¾*d.* was paid. Privately small sales of dried have been made in Liverpool at 2½*d.* per lb.

LIME-JUICE.—Six puncheons of good raw Jamaica sold at 1*s.* 5*d.* per gal.

LIME OIL.—A single case of fair West Indian distilled sold at 1*s.* 9*d.* per lb. without reserve.

MYRRH.—Eight cases sold at 60*s.* per cwt. for fair slightly blocky and dusty sorts of Aden character. Somali sorts were limited at from 50*s.* to 55*s.* per cwt.

ORANGE-PEEL.—A single case of fair bright Tripoli strip sold at 1*s.* 6*d.* per lb., being dearer.

RHUBARB.—Quiet, but steady. A case of medium-size round, part druggists' trimming-root Canton, with three-quarters very fair pinky fracture, sold at 3*s.* 6*d.* per lb. Two cases medium-size round horny High-dried with three-quarters fair pinky fracture realised 10*d.* Five cases of medium to bold flat High-dried had been sold privately; the value is 1*s.* to 1*s.* 1*d.* For medium to bold round genuine Shensi with three-quarters good pinky fracture the value is 4*s.* 9*d.*

SARSAPARILLA.—Genuine grey Jamaica, of which 7 bales offered, sold at 2*s.* per lb. for fair, part roughish, being 2*d.* dearer than the previous sale price. Ten bales of Native-Jamaica sold at from 10*d.* to 11*d.* per lb. for fair to good red, being firm; and for 7 bales Lima-Jamaica 1*s.* 8*d.* per lb. subject was paid for fair, part rough and part mixed with red. The 18 bales grey Jamaica reported last week had not arrived in time for the sale.

New-erop Mexican is about arriving on the New York market, and offering in that city at 24c. per lb.

SENNA.—Only a few odd parcels in second-hands were offered. Six bales small greenish Tinnevelly leaf, part

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first-class sea-damaged, sold at from 2¼d. to 2½d., and 4 bales of common yellowish damaged sold at 1½d.

Turmeric.—Twenty bags of country-damaged and wormy Madras finger sold at 13s. per cwt., subject. The value of fair Madras finger at 17s.

Wax, Bees'.—The chief offering was a lot of 70 packages East African, 45 of which sold at the firm price of from 7l. 17s. 6d. to 8l. per cwt. for fair even yellow remelted, part slightly drossy. Bleached Calcutta was limited at 8l. 15s. No Jamaica offered; price privately is nominal at 9l.

Wax, Japanese.—A lot of 25 cases slabs sold without reserve at from 43s. to 50s. per cwt.

Manchester Chemical Market.

Manchester, February 4.

Owing to the quieter feeling in the Lancashire cotton trade, coupled with the fear of labour unrest, there has been no particular change to note in the way of improvement in heavy chemicals. An important item of information to hand, however, is the fact that it has been decided to make no official reduction in the price of caustic soda. Up to the present there has been no marked change in prices in other departments, but the feeling forward is decidedly on the quiet side. Sulphate of copper, owing to continued advances in the raw metal, registers higher prices, and may be quoted at from 22l. 15s. to 23l. per ton delivered Manchester. Phosphate of soda in fair inquiry at 9l. 10s. per ton. Borax rather firmer at 17l. 10s. per ton for lump. Chlorate of potash 3½d. to 4d. per lb. f.o.b. Permanganate steady at 38l. per ton. Carbonate of magnesia quiet at 3¾d. per lb. Sulphur: flowers, 8l. 15s. per ton, in 2-cwt. bags; roll, 7l. to 7l. 2s. 6d., in 5-cwt. barrels; rock, 5l. 15s., in 3-cwt. bags, f.o.r. at works. Nitrate of lead firm at 30l. 10s. per ton, on rails Manchester. There is a very quiet feeling in coal-tar products, and the outlook forward is not cheerful. There is perhaps a better feeling in pitch for future delivery. Benzols show little change, but for petrol purposes they are steady. Sulphate of ammonia quiet at 12l. 5s. to 12l. 7s. 6d. per ton, on rails Manchester.

Heavy Chemicals.

Business in the heavy-chemical market is on the whole of a very satisfactory character, particularly on home account for prompt, and works keep fully employed. Actual business, as well as inquiries on forward account, are on the quiet side, and a similar remark applies to shipments for export. Prices are well maintained in tone, and, generally speaking, are steady at unaltered figures.

Sulphate of Ammonia is rather steadier than it was, and there has been a slight improvement in value. Fair shipments have been made, but nevertheless the demand from abroad cannot be considered as other than on the low side. Present nearest figures: London, 25 per cent., 11l. 10s. to 11l. 12s. 6d.; Leith, 12l. 8s. 9d. to 12l. 10s.; Liverpool, 12l. 7s. 6d.; and Hull, 12l. 6s. 3d.

Lead Products.—The late firm tone has been well maintained, and seems likely to continue. White lead, 26l.; red lead, 21l. 5s.; and pig lead, 20l. 10s. per ton Tyne. White acetate of lead, 27l. to 27l. 10s.; brown acetate of lead, 25l. 15s. to 26l. 5s.; and nitrate of lead, 30l. 10s. to 31l. 10s.

Strontium Products call for little special comment, except that the mineral carbonate is still quite in short supply. Generally speaking, there is a good average demand. Precipitated carbonate of strontia, 90 to 95 per cent., 11l. to 12l. 10s. per ton, according to quantity, etc. Mineral carbonate of strontia, lump, 86 to 90 per cent., 14l.; and smalls, 80 to 85 per cent., 12l. per ton. Hydrate of strontia crystals, 9l. to 9l. 15s. per ton in casks.

Benzols are very steady, and the demand keeps up well. Present naked prices: 90 per cent. 1s. 1d., and 50 per cent. 11½d. to 1s.; North, 11½d. to 1s. and 10d. respectively.

Menthol and Mint-oil Movements.

Messrs. Schütz & Co., Hamburg, have issued an interesting chart showing the fluctuations in the prices of menthol and Japanese mint oil for the past ten years (1904 to 1913 inclusive). The fluctuations are recorded in English, French, and German currencies. Summarising the features of the decade, we find that in January 1904 menthol was 18s. 8d., falling to 8s. 5d. by December of the same year. During the quinquennial period 1905-1909 the movements were extremely narrow, the lowest point being 6s. 3d. in June-July 1905 and the highest 8s. 11d. in 1906. The great appreciation in price has been during the past three to three and a-half years, culminating in December 1912 at 38s., to decline steadily throughout the whole of 1913, touching 10s. 3d. in December. From this point the trend is again upward. The course of mint oil during the decade has been on a level almost throughout.

Greek Saffron.

The Acting British Consul-General at Salonica reports, under date December 26, 1913 (per the "Board of Trade Journal"), that this season's saffron crop in the Koza district was smaller in quantity, but better in quality than last year's, the output being about 2,820 lb. of first-grade and 2,260 lb. of second-grade saffron. The current prices in Salonica are from 38s. 3d. to 38s. 11d. per lb. for best quality, and about 5s. 8d. per lb. for second quality. Koza lies about sixty miles south-west of Salonica, and is the only district in the Balkan Peninsula from which saffron is exported. The harvest takes place in October and the export begins in November, practically the whole of the crop being shipped to Germany.

Linseed and Linseed Oil.

While the official estimates of the Argentine linseed crop, issued a few weeks ago, amounting to 990,000 tons, as compared with 1,130,000 tons for the previous season, are liable to be modified to a lower figure, owing to the adverse weather conditions, the market for linseed oil continues uncertain. Prices have fluctuated considerably within the past few months, up to about 25l. 10s. per ton having been paid for London spot oil, which is about 3l. 10s. per ton above the lowest touched last year. In spite of the world's shipments for the past year being the highest record—1,849,519 tons, or about 722,000 tons more than the previous year—the rallying power of the market in recent months is easily accounted for by the big shrinkage in the yield of the world's crops to about 2,960,000 tons, compared with 3,617,062 tons for 1912, which naturally points to such reduced shipments during the current year. All growing countries have had smaller crops, especially the United States, although the deficit of the Canadian crop is not serious. The last North American crops—viz., the United States with 446,325 tons (against 701,825 tons in 1912) and Canada with 438,000 tons (against 542,037 tons in 1912)—give a total of 884,325 tons; while India secured a crop of 535,700 tons, against 641,200 tons in 1912, and Russia 550,000 tons, against 602,000 tons in 1912. There is thus no overlooking the all-round shrinkage which has taken place, this constituting an important factor as regards future market developments, inasmuch as the prospects of the coming Indian crop are again distinctly less favourable. These indications have, of course, done much to discourage speculative enterprise in both seed and oil recently, in spite of the abundant supplies of the latter which have accumulated on this side as well as on the Continent, apart from the heavy quantities absorbed by consumers, especially for soap-making since the introduction of the hardening process for the latter purpose. Quite a big tonnage of oil is now in speculative hands, but, in spite of this, a substantial premium has been maintained on forward oil, running into about 2l. 10s. per ton compared with spot oil. Indian shippers are rather reluctant to enter into contracts for new crop, even at prices above London parity, while very few Canadian offers are now being made on this side. For the present, however, the market may be to some extent prejudiced by evidences of a much freer and earlier crop movement from the River Plate than was originally expected. The recent shipments, indeed, were pretty heavy, and so far this year already well in excess of last year, which has had a subduing effect upon the temper of the market. Consumers are more cautious about anticipating their requirements with plenty of seed coming into sight, while over 7,000 tons of oil are lying in London public warehouses. Such holdings, however, are not unduly pressed on the market, and prices are hardly likely to yield to any serious extent pending a revival of trade demand. An indication of the confidence generally shown in the future is afforded by the fact that whereas a year ago the price of forward oil stood at a notable discount, it now commands a big premium. The home make of oil during the last twelve months has been considerably increased, as may be gathered from the fact that the proportion of the world's shipments to Great Britain has been raised from 23 per cent. in 1912 to 33 per cent. for 1913. The proportion has thus been about restored to what it was in 1903-1904, when spot linseed oil dropped from 17l. 5s. to 13l. 15s. per ton. The home consumption has evidently risen by leaps and bounds, while the net home receipts of raw material are now much heavier than they were ten years ago. The next few months may not see much change in market conditions, which to a large extent depend upon the progress of the demand for oil, unless the Argentine crop estimates are considerably reduced or Indian crop prospects get worse. Crushers are apparently well supplied with seed, and are inclined to purchase further ahead until the demand for oil again picks up.

Correspondence

Memoranda for Correspondents.

Communications must be accompanied by the names and addresses of the writers, otherwise they cannot be dealt with. Queries by subscribers on dispensing, legal, and miscellaneous subjects connected with the business are replied to in these columns if they are considered to be of general interest. Correspondents are requested to write each query on a separate piece of paper. Every endeavour is made to reply to queries without delay, but insertion of the replies in "the next issue" cannot be guaranteed, nor, as a rule, can they be sent by post. Letters submitted for publication (if suitable) should be written on one side of the paper only. Their publication in "The Chemist and Druggist" does not imply Editorial agreement with the opinions expressed.

Historical Pharmacy.

SIR,—I have read with pleasure the editorial remarks on historical pharmacy, and am sure your suggestions will meet with the unqualified approval of hundreds of pharmacists who are interested in the antiquarian side of their calling. You have so tersely reviewed the subject that remarks on my part have been forestalled. The British Pharmaceutical Conference is an active body, ever out to instruct and entertain the majority of those who yearly attend its meetings. With the influence of the Conference and the support of a few enthusiasts an annual exhibition of no meagre kind should result. A paper or two dealing with the pharmacy of bygone days would surely prove as fascinating as the more orthodox scientific subjects which grace the programmes. A fair number of ladies join these Conference gatherings, and the subject would not be "above their heads." You refer, also, to the large number of pharmacists who are now antiquaries. I agree, and would add that most of them have had their origin and guidance through reading the articles in the *C. & D.* The Wellcome Museum proved an "eye-opener" and a real educational treat to all who visited it. I am sure if co-operation could be obtained with the superior minds who organised it, even if to a small extent, success would crown the venture. Many pharmacists fix Conference week as their only relaxation from business duties, and it would be a means of many seeing objects of interest such as are rarely amassed together outside the Metropolis. Yours faithfully,

Tower Lodge, Clacton-on-Sea. W. MASKEW.

Bell's Test for Turmeric.

SIR,—I was much interested in the article on the detection of turmeric, by Mr. Parry, in your issue of January 24. For the information of those who may find the test useful, I should like to point out that the reagent can be simplified, inasmuch as the diphenylamine may be omitted. It plays no part in the reaction, which appears to be due to the action of the ethyl-sulphuric acid on the cumin. This perhaps seems an astonishing statement, but at first sight it appeared that the diphenylamine constituted the very essence of the test. The diphenylamine reagent has long been known and used for the purpose of detecting and estimating nitrates in water, and it was in using it in the search for nitrate of potash in a complex powder that I first noticed a fine purple colour was produced, due to its action on the turmeric that the powder contained. Knowing, as I did, that neither ethyl alcohol nor sulphuric acid by itself produced any such colour reaction with turmeric, I not unnaturally assumed that the diphenylamine was the dominant factor in reaction, and it was in this belief that I originally published the test as far back as 1902. Some time later, in making experiments with the view to rendering the reagent still more delicate, I came to the conclusion that the diphenylamine could be dispensed with altogether. It is curious, incidentally, that Mr. J. E. Saul arrived at the same conclusion quite independently and almost simultaneously, and sent an article to the "Pharmaceutical Journal" drawing attention to the fact.—Yours faithfully,

573 Commercial Road, E. A. E. BELL.

Lancashire Drug Tariff.

SIR,—I have been waiting to see the writing from an abler pen than mine in the *C. & D.* in reference to the Lancashire County Tariff. You have applauded the Lancashire County Pharmaceutical Committee on taking the first stand respecting the proprietary question, but to me it is a very serious point, because to bring these lines forward they have reduced the dispensing-fees in a great number of instances and cut them off altogether in several others. Instances of both: Lin. tereb., emuls. ol. morrhuæ and petrolei, etc., no emulsion-fee; ol. morrhuæ, ol. ricini, etc., no dispensing-fee, etc. Also they are allowing disinfectants on the Tariff, things which are certainly not covered. Further, if any man dispenses a medicine from a stock mixture purchased, he can only charge on a calculated bulk price, not by ingredient. All these points will only lead to one ending, and that stock mixtures and proprietaries, and no dispensing-fees. A most serious thing for these men, as brother pharmacists, to bring forward. It is the thin end of the wedge put in by ourselves to be hammered in by others. I signed a new agreement before Christmas for the county before the Tariff arrived. Now these alterations have been brought forward, and as they are such radical alterations I am requested to sign another one, but somehow I cannot bring myself to do it. Just seems like selling one's birthright. Have you had complaints on the above from others in this area? I am, yours faithfully,

Walton. MARTIN S. HUGHES.

[This is the first complaint we have received.—EDITOR *C. & D.*]

Dental Chemists.

SIR,—I have an intimate friend, a dentist, who has been by turns interested, amused, and satirical with the recent correspondence in your columns. He is, curiously enough, one of the ten registered men referred to by you who subsequently qualified, so he is at least entitled to speak from experience. His thoughts as expressed in several recent conversations with me are as follows: There is a shortage of qualified dentists to attend poorer patients, though a good deal more has been made of ordinary dentists' charges—as distinct from Wimpole Street—than there need be, having regard to class of work done. This shortage is due, first, to the greater number of people who come for dental treatment in proportion to the population than in times past; and, secondly, to the greater stringency of the requirements of the General Medical Council from dental students. In his opinion these requirements are now altogether more than is wanted in poor practice, and that class of patient cannot be expected to pay for them. He expresses great sympathy with men who have served a pupilship to the profession but have been unable to qualify, and speaks very indignantly concerning the General Medical Council in not allowing them to be used as assistants, thereby throwing them out of honest employment and causing them in nearly every instance to start an irregular practice.

So far general. Now for particular as applied to chemists. My friend has always taken a great interest in our trade, though in his practice he is strictly professional. What is to be said of the ethics of a profession qualified members of which, while denying any rights to unqualified men of their own body, try to poach on other people's preserves? What an attitude! To thank God one is not like the errand-boy turned shopkeeper, or unqualified assistant turned drug-store proprietor, or even that poor half-and-half sort of wretch the Apothecaries' Hall assistant, yet try to pose as a dentist. What is sauce for the goose is sauce for the gander, and to be logical why should not these two latter classes at least be allowed to open National Health Insurance dispensaries, if not be registered as chemists and druggists? One phrase, he says, expresses all these people. "They desire to possess without being burdened with the trouble of acquiring" someone else's qualifications. While not admitting that there is any moral right in the demand for a new register, he says in view of the present circumstances it would perhaps be expedient to make a fresh start. In making the register

some reasonable precautions should be taken that the men admitted have had some practical training, and should not be as the following instances :

1st. An unqualified chemist's assistant.
2ndly. A mineral-water traveller.
3rdly. A drug-store proprietor (bankrupt).
4thly and lastly. A dental-surgery owner—a man who is really a starting-price bookmaker, and when he is not acting as money-lender's tout "lugs out teeth."

In return for being put on the register a *quid pro quo* should be insisted on :

1st. The title to these registered men should be "Mechanical Dentist," and the use of the words surgeon or surgery or anything similar should be absolutely and completely prohibited to this class and restricted entirely to those only who qualify as the law directs.
2nd. The use of anæstheties—local possibly, general most certainly—should be absolutely prohibited to them.
3rd. That they should be put on a level with the present qualified men and be strictly prohibited from advertising in any way either fees or anything else.

In this latter case, my friend says, a great number of these gentry would be bankrupt to the world in a very short time, as advertising is their breath of life, and they, like chemists who dabble in dentistry in their back parlour, are only "forceps and impression-tray men"; of the real business of the conservation of teeth by modern scientific methods they are as ignorant as they can possibly be. Lastly, if it is such a fine paying game, why do they not qualify? It means (according to him) a Preliminary examination, two years with a dentist learning the mechanical part, and two years in a hospital, or four years in a hospital; and at the end all the qualifications in the world, if one has not his "brains in his finger-ends" and "a sympathetic manner," will never build up a decent practice.

Yours truly,
Another Single-handed Chemist. (102/59.)

Advantage of Interviewing the Insurance Commissioners.

Sir,—I shall be very glad if you can find space in your valuable journal for my experience of a phase of the National Insurance Act administration which I feel sure will be of interest to my brother pharmacists, and particularly to the executive officers of the various local Associations. In Berkshire we, in common with other areas, had before us the consideration of the proposed new Tariff, and after consulting with the doctors certain improvements in the Tariff were generally agreed upon, and, moreover, were forwarded by our County Insurance Committee with a strong recommendation by them that the Commissioners approve them. Now, despite this thorough recommendation, in course of time a letter was received by the County Insurance Committee refusing practically all the advances in the proposed Tariff, with the result that apparently our efforts to improve our position had been of no effect. But not to give up without a struggle, the President of our Association and myself determined to interview the "powers that be" at Buckingham Gate, and see if we could get them to modify their views. I may say that as a result we have gained a few of the things which we originally asked for, but what I desire to impress on my brother pharmacists is this : that we came away with the absolute conviction that had other areas, instead of at once accepting the mandate from headquarters, only sent up representatives to discuss the matter, very much better terms would have been gained all round. My reason for saying this is that to many of our suggested improvements the reply was given that that particular thing was accepted without demur by other areas, and therefore no exception could be made in our case. Consequently, we gathered that had a majority demanded these certain improvements we should have gained them. Then, sir, I think that when the next Tariff is to be considered—if all our friends bear this in mind, and each area backs up its case firmly—we can confidently look forward to a very considerable improvement in the Tariff, and consequently also fairer remuneration than we at present enjoy; for I am sure that there are none who are so satisfied with the present position that they do not wish to improve it, and I am confident it is up to us to gain ho improvements by standing firm.

Yours faithfully,
Montague C. Roc
Hon. Secretary, Berks County Chemists' Associatic a
Berks County Pharmaceutical Insurance Comm te

Old Mortars and Spoons.

Sir,—Referring to the pewter spoon illustrated t article in your last issue *re* old mortars, etc., I ha o precisely like that shown, "T. & S. Maw, Londo' have always understood it was used for giving mec or the final dose to domestic animals. Mine appe s be very much teeth-marked. It seems not unlikel h spoons such as these were at one time common u si of the shops. Yours truly,
Whittlesea. J. E. Rowl.

Sir,—I was interested in your article on Ol Mortars," by Mr. Chas. Rowed, as I have in my p se sion a bronze mortar of the ram's head and shell d ra tion, as the No. 5 photographed and described by im. The one I have, however, is a much larger spe en, weighing 52 lb., and measuring 10 in. in diamete and $8\frac{1}{2}$ in. in height. I have also the pestle, which me res 17 in. in length and weighs 11 lb. I send you ese particulars thinking they may be of interest to so of your readers, and also because I have often wondered hat the value of the mortar might be.

Yours faithfully,
7-11 Clerkenwell Road, London. Ernest T. Br.

Mr. A. E. Bailey (Highgate, N.) writes : Mr. Ro d's article has solved a mystery which has puzzled u for some time—I refer to the castor-oil spoon which he as trates. On taking over this business, which has en established over 100 years, we found one of se among other things, but we could not decide as t its use. It is $5\frac{1}{4}$ in. long, made of pewter, and would d, I should think, about a tablespoonful of castor oil It has no maker's name on it, but inside the lid the ce of 1*s.* 9*d.* is marked. How long ago it was first put to stock here it would be difficult to say. The handl of this is hollow, and it is different from Mr. Rowed in this particular; the lid is not a long one in the lower lf of the spoon; it is a short one in the upper half, w re the maker's name is printed in Mr. Rowed's illustratn.

A Pharmacist's Uniform.

Sir,—I note Mr. Marshall's article on a "Pharmacist's Uniform." Myself and two assistants have w n such coats for some years, and have found them ll that Mr. Marshall claims for them; but where does e get them washed for 3*d.* each? I have tried sev al laundries, and cannot get them done for less than 1*l.* each. But even at that price they are cheap, b g smart, clean-looking, and great clothes-savers.

Yours faithfully,
57 Hackney Road, N.E. G. Sidney Pasc

Sir,—At first sight this appears a good idea—I r r to Mr. John D. Marshall's note and illustration. e coat is correct in a sense, but the "facings" are r. These red embroideries have been the sign-mark o a firm of window-cleaners in this district for about fift years, and are quite distinctive. The long brown holl l coat is also the favourite costume of sundry boot-a shoe dealers. On the whole, I think something bet than this might be devised for the pharmacist. My o idea for many years has been the Norfolk jacket i comparatively thin material, and, of course, without b This is very neat and comfortable, with nothing in t way of skirts and flaps to interfere with one's mo ments. A light material on the modern and aver assistant would result in some curious patterns a designs from splashes of lotions, liniments, dirty finge etc.; hence the coat should be of a "subfusk hue," khaki colour at the least. With the light coat also the would always be the temptation to embellish it with so legend in reference to a favourite pill or nostrum, a thus we should be led in course of things to some adv tiser supplying such articles of attire at special rat duly emblazoned. Yours, etc.,
February 2. J. P. N. (112/42.)

Subscribers' Symposium.

For questions, answers, incidents, and interchange of opinions among "C. & D." readers.

Attracting Dogs.

Horite (109/44) asks if there is any drug odour for which gs have a liking, in the same way that cats are attracted valerian.

Correction.

Will you kindly correct my letter of last week (p. 214)? The Southampton and District Association" should read The County Association is doing its best."—*F. B. Wride.*

What is "Syr. Glycerophosph."?

W. E. G. (113/6) gets prescriptions for syr. glycerophosph., d wants to know what he should dispense for it: Robin's eparation or one of the B.P.C. syrups? Postcard replies ll be welcomed.

A Good Result.

The recent social evening of the North London Pharmasts' Association resulted in a net profit of 5*l.* 10*s.* 6*d.*, hich has been handed over to the Secretary of the Pharaceutical Society for the Benevolent Fund.—*Herbert inner.*

What is a Spitting-sheet?

On p. 308, vol. 1, of Pepys's "Diary," "Everyman" edition, ention is made of a "spitting-sheet"—put up for the rst time and found "mighty convenient"! Was this someing in the nature of a screen? I do not remember ever efore seeing a reference to such an article.—*Sputum* 12/42).

Old Bottles and Used Stamps.

The annexed cutting from the "Daily News and Leader" f a few days ago I have done into the vernacular, in the ope that, as it refers to an incident in a brother chemist's fe, it may prove not uninteresting to your readers. With n appreciation of the artistic character of the Winter Issue f the *C. & D.* to hand.—*Jas. Lock* (Greatbridge).

Das Gleichnis.

Berlin, Sonntag.

Der "Simplizissimus" erzählt die folgende Geschichte. Ein Apotheker einer preussischen Kreisstadt liefert Arzneimittel für die Krankenkasse der Postbeamten. Eines Tages erhält er von der sparsamen Postverwaltung die Anfrage, ob er leere Arzneiflaschen und Pulverschachteln gegen Entgelt zurücknehme, womit er sich einverstanden erklärt, wenn ihm die Postverwaltung gestatte, einmal benutzte Briefmarken wieder auf die Briefe zu kleben.

The Quid pro Quo.

The journal "Simplizissimus" tells the following story: A pharmacist in a Prussian country town supplied medicines to the sick club of the Post Office employees. One day he received the inquiry from the economically inclined management of the postal department as to whether he took back and made any allowance for empty medicine-bottles and powder-boxes, whereupon he declared himself quite agreeable, if the department allowed him in return to stick already used stamps on his letters.

Appreciations.

"A 10*s.* investment in The Chemist and Druggist always shows interest too big to calculate."—*L. J. W.* (113/5).

"The Winter Number of the *C. & D.* is a splendid issue, and struck me as being the most interesting you have published."—*H. V. H.* (111/39).

"The Winter Issue of The Chemist and Druggist is, without flattery, the best number out of all the many hundreds that The Chemist and Druggist has produced."—*J. M.* (112/23).

Insurance Dispensing Queries.

Price of Emp. Belladonnæ.—*Cable* (106/46).—The Drug Tariff says that emp. belladonnæ is to be charged 1*d.* per 12 sq. in., which means that in order to get the price of any piece of plaster supplied multiply the length in inches by the breadth in inches and divide by 12, when you get the charge in pence.

A Chemist's Dispensary.—*Anxious* (110/13) is a registered chemist carrying on business at a specific address; at another address he proposes to open a dispensary solely for the purpose of dispensing Insurance prescriptions during certain hours per day, this dispensary being conducted by himself. He wants to know what he can do as regards exhibiting his Minor certificate—should he carry it from one address to the other, according to his attendance? [The terms of the Poisons and Pharmacy Act, 1908, Section 3, leave no doubt that one qualified person cannot be manager of more than one set of premises where the business is carried on. What "Anxious" proposes to do does not accord with the law.]

Tuberculosis Dispensaries.—*Modern* (94/14).—These are outside the Medical Benefit provisions; see the *C. & D.*, January 17, p. 53, for particulars of the extent to which such dispensaries are used in the United Kingdom. In our issue of September 20, 1913, p. 53, you will find an article which contains very useful hints as to what chemists can do in connection with the Sanatorium Benefit and treatment. As a rule chemists are not appointed in connection with these dispensaries, for there is very little dispensing to do. In some of the larger centres female dispensers have been appointed, but chiefly to assist the medical officers in their clerical work, keeping records, and so on, and assisting generally in attendance upon insured persons. Perhaps it might be possible for you or one of your assistants to do this work for your district. You should interview the clerk to your local authority, not the Clerk of the Insurance Committee, or the Medical Officer of Health, in regard to the matter.

Doctors' Dispensers on the Panel.—*Pharmacy* (107/70) asks: "Can a registered chemist who is employed as a dispenser for a firm of doctors be put on the panel to supply and dispense for all insured persons within and outside the mile limit?" [Strictly speaking, no. The Act of 1912 prohibits arrangements for the dispensing of medicines being made with persons other than persons, firms, or bodies corporate entitled to carry on the business of a chemist and druggist under the provisions of the Pharmacy Act, 1868, as amended by the Poisons and Pharmacy Act, 1908. This means that the doctors' dispenser must bring himself within the provisions of the Act as laid down in Section 3 of the 1908 Act so far as exhibition of certificates is concerned, and Section 17 of the 1868 Act in regard to labelling. Some Insurance Committees take the view that the fact that a person is entitled to carry on the business is sufficient to warrant them putting him on the dispensing panel whether he carries on the business or not on his own behalf, and they have acted accordingly, putting doctors' dispensers (who are chemists) on the dispensing panel. We consider that this view might not be upheld if it were tested in the Law Courts, supposing that were possible.]

Pricing Problems.—*Marine* (94/54) submits the following: (1) When a prescription is written for a single dose, send twelve doses, should I fill in the full quantity of each ingredient required when pricing? [Yes.] (2) A mixture requires 10 oz. inf. senegæ. Tariff price is 1½*d.* for 3 oz. or part of 3 oz. Should this be priced 6*d.* or 5*d.*? [6*d.*; the nearest halfpenny rules does not apply.] (3) Antipyrin is ordered in mixture on green form. This is not in list of drugs in Tariff. Should I dispense phenazone or Dr. Knorr's antipyrin? Phenazone price does not cover cost-price of latter. [Antipyrin. It is not legal for the chemist to dispense anything else, nor do the National Insurance Act and the regulations made thereunder, or the Drug Tariff, authorise him to depart from his legal duty. The use of the wrong form by the doctor does not release the Insurance Committee from its obligation to pay the chemist the proper charge for the medicine dispensed. In this we do not take into consideration whether or not antipyrin and phenazone are identical.] (4) I had a prescription presented on January 18 which was written on January 14. Will this be allowed in the current quarter's account? [It comes into the quarter that commenced on January 12.]

Legal Queries.

The majority of difficulties in regard to trade law are anticipated by the legal information printed in "The Chemist and Druggist Diary," 1914. See especially pp. 469-499.

Digestion (111/40).—Trade-marks Registration.—See *C. & D. Diary*, p. 237, for full information on this subject.

R. A. R. (113/50).—The bronchial gums will need to be stamped (if sold in an enclosure), because the maker's name in the possessive case is used to describe them. See *C. & D. Diary*, p. 489.

Salol (113/71).—The superintendent of a limited company who manages one of the chemist's shops of the company is not required to exhibit his certificate of qualification in that shop. Managers of any other shops of the company must exhibit their certificates therein.

S. H. B. (113/63).—It has been held that premises at which orders and money are received for exciseable liquors on behalf of principals who are licensed to sell such liquors elsewhere should be licensed. Consequently the manager of a branch shop without a wine-licence should not receive orders and money for wines to be supplied by another branch which is licensed.

M. S. C. (110/30).—(1) We do not know what you mean by "a holder of the National Health Insurance dispensing certificate." No such certificate is provided for by the National Insurance Act, 1911. If you mean a person who on December 16, 1911, had served three years as a dispenser to a doctor or an institution, such a person is not qualified (unless he is a registered chemist and druggist) to manage the shop of a chemist and druggist in accordance with the terms of the Poisons and Pharmacy Act, 1908, Section 3. (2) An announcement will shortly be published in regard to the edition of "Pharmaceutical Formulas," which is now in the press.

Miscellaneous Inquiries.

We do not undertake to analyse and report upon proprietary articles, and when samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how.

We do not as a rule repeat information which has been given in this section during the past twelve months, as it occupies space which can be more profitably utilised for other information. In such cases the numbers are mentioned, and if querists cannot refer to these they may obtain the numbers from the "C. & D." Office at the published price, usually 6d.

A Subscriber (101/5).—(1) The tonic will do the youth no harm, but we question if it will do him the slightest good, unless he happens to suffer from indigestion. (2) We have found the following formula for Castor-oil Emulsion admirable for extemporaneous dispensing, and much better than any emulsion containing powdered acacia:

Into a 1½-oz. phial put aq. menth. pip. ʒij., spt. ammon. arom. ʒj., and ol. ricini ʒss. Hold the phial in the palm of the hand for a few minutes to thin the oil, cork, and shake briskly until the mixture is uniformly white. Then add elixir saccharin. ♏v. and aq. menth. pip. ʒiij. Again mix. This draught, taken on an empty stomach, acts as an efficient purge for an adult.

(104/68).—To Obscure Windows the following are the processes given in "Pharmaceutical Formulas":

(1) Dissolve glue ½ oz. in water 20 oz., and make whiting into a paste with the glue-water. Daub the mixture on the glass with a cotton pad.

(2) Paint the glass with a lukewarm saturated solution of alum or Epsom salts.

Veritas (105/34).—There is no book published in English containing more examples of difficult prescriptions in facsimile than "The Art of Dispensing."

J. M. W. (107/47).—Liquid Sanitary Soap:

Soft soap	4 lb.
Water	4 lb.
Soluble creosote	1 lb.
Soluble olein	1 lb.

Heat the first three ingredients together, add the olein, and allow to cool.

S. T. J. (47/46).—Bread-improvers.—The composition of one of the most used commercial bread-improvers is given in Jago's "Technology of Bread-making" as a mixture of 3 parts of malt-flour to 1 part of cane-sugar. Many other diastatic substances are also used. There are, however, employed a large number of mineral substances, such as calcium acid phosphate and calcium chloride, the object being to act as a binding-agent on the dough. The sample you send seems to be a combination of a diastatic body with an acid phosphate. A long series of experiments would be required to match it exactly.

G. A. S. (109/57).—(1) Almond Shaving-soap.—The following is from "Pharmaceutical Formulas," but the manufacture on a small scale is not economical; it can be obtained cheaper from the soap-maker:

Lard	℥xj.
Caustic potash	ʒxiij.
Water	℥ivss.

Dissolve the potash in the water and triturate the lard with the solution in a mortar. Allow to stand twelve hours and add

Oil of bitter almonds	♏x.
Rectified spirit	ʒss.

Triturate until the mass becomes pearly in appearance, which can be assisted by the addition of the white of an egg.

(2) Bottle-capping.—There is no efficient substitute for the gelatin bottle-capping which can be applied in the same manner. With care, air-bubbles can be avoided if the surface of the liquid is occasionally skimmed by means of card.

Picis (95/6).—Administration of Tar.—We do not know the composition of the liquor to which you refer, but a pleasant method of administering tar internally the *Syrup. Picis Liquidæ*, U.S.P., is much used. The formula is

Pine-tar	gr. xxxv
Alcohol	ʒviss.
Magnesium carbonate	gr. lxxij
Clean white sand	gr. lxxv.
Sugar	℥xiv.
Water to make	℥xvj.

Mix the tar intimately in a mortar with the sand, add 1½ oz. water, and, after kneading the mass thoroughly with the pestle, throw the water away. Treat the residue with the alcohol, and when the tar is dissolved add the magnesium carbonate and ¾ oz. sugar, and after thorough trituration add 6½ oz. water; stir the mixture occasionally during two hours, and filter. Dissolve the remainder of the sugar in the clear filtrate by gentle heat, strain, and add enough water to make 16 oz. The dose is ʒj. to ʒij.

E. A. E. (Assam) (101/39).—Manufacture of Nitrol.—The manufacture of calcium nitrate ("nitrolim") from atmospheric nitrogen was described in the *C. & D.*, February 10, 1906, p. 225, and on other occasions. The manufacture involves the expenditure of many thousands of pounds in machinery and electrical supply, and under the most advantageous conditions the product cannot be produced cheaper than the Chilian nitrates. The processes are moreover covered by many patents, and it is altogether out of the question to produce calcium nitrate on a small scale. The water-power available in Norway has made the manufacture one of the specialities of chemical industry in that country.

C. C. (103/45).—It is not quite clear to us what kind of spirit you are employing for the barbers' shampoo-liquid. Possibly it is ordinary mineralised methylated spirit as you do not mention having obtained permission to use industrial spirit (see *C. & D. Diary*, p. 498). The wood-naphtha in industrial spirit is not generally objected to, especially when associated with a strong perfume.

Wull (94/59).—Enamel for Discoloured Teeth.—We are not acquainted with the preparation which you say is employed for painting over discoloured teeth to improve their appearance. From what you write, we should advise a few experiments with white rubber tooth-stopping dissolved in a medium of chloroform 95 parts, absolute alcohol 5 parts. If the teeth are first dried, this rubber solution will adhere firmly.

P. N. W. (105/31).—Manufacture of Soluble Essences for Aërated Waters.—There are no books dealing with this other than "Pharmaceutical Formulas." A good recipe for ginger-ale essence different from those given in "P." was printed in the *C. & D.*, November 8, p. 65. If you will tell us in what respect the formulæ for soluble essence of lemon do not meet your requirements, we will endeavour to supply a suitable recipe.

Retrospect of Fifty Years Ago

Reprinted from "The Chemist and Druggist," February 15, 18.

Editorial Note.

Our desk groans under the weight of the letters we have received since the publication of our January number. Many relate to our journal, and as they are highly complimentary we only wish we could print them without infringing the rules of good taste. Others relate to important questions which are now agitating the trade. Some of these appear in our correspondence columns; some are in type for publication in our next; others, again, which merely repeat arguments that have been enforced in former letters, will be kept to remind us of our good friends. The introductory article of our series on the British Pharmacopœia gives a general description of the work, and is necessarily very long. Wishing to devote as much space as possible to the opinions and arguments of our correspondents, we have been compelled to lighten our monthly budget of news by omitting many reports of meetings. The meeting of chemists and druggists at the Potteries was a most important one, and will be noticed in our next. But as we are going to press we find that there is a remarkable article in "The Lancet" (February 13) respecting the druggists and the new Medical Bill. It is noticeable for a respectful tone towards the general body of the trade.

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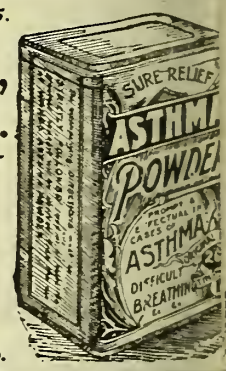

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d. Acet. Glacial., 99%, Carboys, 160 lbs. @ 4½d. lb.; 12 6-lb. bots. @ 7d. lb.; 6 lbs. @ 8d. lb.
Acetylo-Salicyl., 1 cwt. @ 2/- lb.: 56 lbs. @ 2/0½ lb.; 7 lbs. @ 2/4 lb.; 1 lb. @ 2/7 lb.
Carbol. Xtls., 39/40; 2½ cwt. Drums @ 5½d. lb.; 56 lbs. @ 5¾d. lb.; 10 lb. Tins @ 6/- each; 36 1-lb. Bots. @ 9½d. lb.; Single Bots. @ 1/- lb.; Detached Cryst. 10 lb. Tins @ 8/- each; 1 lb. @ 1/2 lb.; Crude Black, 45 gall. casks @ 1/- gall.; 5 gall. drums @ 1/4 gall.; 1 gall. tins @ 1/6 each.
Diethylbarbituric, 16 oz. @ 16/- lb.; 1 oz. @ 1/4 oz.
Hydrobrom., Dil. P.B., 6 lbs. @ 7½d. lb.
Hydrocyan. P.B., 6 lbs. @ 1/1 lb.; 1 lb. @ 1/4 lb.; 36 1-oz. Vials @ 3/6 doz.
Phosph. Dil., B.P., 7 lbs. @ 4½d. lb.
Salicyl. pulv., 7 lbs. @ 1/1 lb.; phys. pure, 1 lb. @ 2/11 lb.
Tart., cryst. or pulv. B.P., 1885, 1 cwt. @ 1/0¾ lb.; 7 lbs. @ 1/1¾ lb.; parv. ¼d. lb. extra.
ps Benz., B.P., 28 lbs. @ 9d. lb.; 7 lbs. @ 10½d. lb.
s Barb., English ground, 28 lbs. @ 84/- cwt.; 7 lbs. @ 10d. lb.
non. Brom., P.B., 1 cwt. @ 2/1½ lb.; 7 lbs. @ 2/3½ lb.
non. Carb. lump, 3 cwt. @ 4d. lb.; 28 lbs. @ 5¼d. lb.; 7 lbs. @ 5¾d. lb.; powder, ¼d. lb. extra.
yli Pulv., 10 cwt. @ 12/- cwt.; 2½ cwt. @ 13/- cwt.; 1 cwt. 15/- cwt.
ua Anethi Conc. 1–40, 1 lb. @ 2/11 lb.
„ Anisi Conc. 1–40, 1 lb. @ 3/1 lb.
„ Cinnam. Conc. 1–40, 1 lb. @ 3/4 lb.
„ Aurant. Trip., 53 lbs. for 17/6; 6 lbs. @ 7d. lb.
„ Aurant, Conc., 1–40, 1 lb. @ 6/1 lb.
„ Rosæ Trip., 53 lbs. for 22/6; 6 lbs. @ 7d. lb.
„ Rosæ Conc. 1–40, 1 lb. @ 7/- lb.
„ Samb. Trip., 53 lbs. for 23/6; 6 lbs. @ 8d. lb.
„ Samb. Conc., 1–40, 1 lb. @ 6/1 lb.
„ Laurocerasi, 53 lbs. for 20/-; 6 lbs. @ 7d. lb.
„ Menth. Pip. Conc., 1–40, 1 lb. @ 3/- lb.

smuth, P.B. Carb., 28 lbs. @ 8/8; 7 lbs. @ 8/10 lb.; 3 lbs. @ 9/1 lb.; 1 lb. @ 9/3 lb.; subnit. 1/- lb. less.

dcii Carb. præcip. 5 cwt. @ 13/- cwt.; 1 cwt. @ 16/- cwt.; 28 lbs. @ 21/- cwt.
nphor, English Flowers, "not artificial," 5 lbs. @ 2/- lb.; ½ oz. 7 lbs. @ 2/- lb.
aceum, No. 1, fine white, 64 lbs. @ 11½d. lb.; 7 lbs. @ 1/1 lb.; powder, 7 lbs. @ 1/6 lb.
loroform, pure, B.P., 12 8-lbs. @ 1/6 lb.; 8 lbs. @ 1/7½ lb.; 6 1-lb. bots. @ 1/9½ lb.
caine Hydrochlor., B.P., 25 ozs. @ 4/10 oz.; 4 ozs. @ 5/5 oz.; 1 oz. @ 6/3 oz.
deina, 1 oz. @ 13/- oz.; Phosph., 1 oz. @ 10/4 oz.; Hydrochlor. or Sulph., 1 oz. @ 11/1 oz.
eam Tartar, 98% powder, 1 cwt. @ 94/6 cwt.; 7 lbs. @ 11d. lb.
behæ, English Ground, 7 lbs. @ 1/11 lb.

mulsio Ol. Morrhuæ, 5 lbs. @ 11d. lb.
Ess. Limonis (oil) original coppers, 12 lbs. @ 10/- lb.; 6 1-lb. bots. @ 10/6 lb.; not guaranteed absolutely pure.
xt. Cascara Sag. Liq., B.P., 1 cwt. @ 1/0½ lb.; 10 lbs. @ 1/2 lb.
xt. Ergot. Liq., P.B., 5 lbs. @ 4/6 lb.; 1 lb. @ 5/- lb.
xt. Ipecac. Liq., P.B., 5 lbs. @ 13/6 lb.; 1 lb. @ 14/6 lb.

Glycerin. Opt., DD., 1.260 P.B., 1 cwt. @ 100/- cwt.; 56 lbs. @ 101/- cwt.; 12 lbs. @ 1/1 lb.

Hydrargyrum, P.B., 75-lb. bottle @ £7/7/6, 10 lbs. @ 2/3 lb.; 1 lb. @ 2/8 lb.; Ammon. 28 lbs. @ 3/2 lb.; c. Creta, 28 lbs. @ 1/5 lb.; Iodid. Rub., 28 lbs. @ 11/3 lb.; Oxid. Rub., 28 lbs. @ 3/2 lb.; Perchlor., Lump, 28 lbs. @ 2/6 lb.; Subchlor., 28 lbs. @ 2/11 lb.; Sulph. c. Sulph., 28 lbs. @ 2/9 lb.; 7-lb. quantities, 1d. lb. extra; 3-lb. quantities, 2d. lb. extra; 1-lb. quantities, 3d. lb. extra.

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*Inf. Aurant. Conc., 1 to 7, 6 lbs. @ 1/3 lb.
* „ Aurant. Comp. Conc., 1 to 7, 6 lbs. @ 1/3 lb.
* „ Buchu Conc., 1 to 7, 6 lbs. @ 2/2 lb.
* „ Calumbæ Conc., 1 to 7, 6 lbs. @ 11d. lb.
* „ Caryoph. Conc., 1 to 7, 6 lbs. @ 1/- lb.
* „ Cascarilla Conc., 1 to 7, 6 lbs. @ 1/4 lb.
* „ Cinchonæ Acid, 1 to 7, 6 lbs. @ 1/7 lb.
* „ Gentianæ Co., 1 to 7, 6 lbs. @ 1/1 lb.
* „ Quassiæ Conc., 1 to 7, 6 lbs. @ 9d. lb.
* „ Rhei Conc., 1 to 7, 6 lbs. @ 1/6 lb.
* „ Rosæ Acid. Conc., 1 to 7, 6 lbs. @ 1/8 lb.
* „ Senegæ Conc., 1 to 7, 6 lbs. @ 2/4 lb.
* „ Valerian Conc., 1 to 7, 6 lbs. @ 1/3 lb.
Iodoform, Pulv., B.P., 7 lbs. @ 16/6 lb.; 3 lbs. @ 16/10 lb.; 1 lb. @ 17/1 lb.
Iodum, resub. B.P., 7 lbs. @ 14/4 lb.; 1 lb. @ 14/10 lb.

*Lin. Aconiti Meth., 5 lbs. @ 1/2 lb.; 1 lb. @ 1/5 lb.
* „ Bellad. Meth., 5 lbs. @ 1/5 lb.; 1 lb. @ 1/8 lb.
„ Camph. P.B., 40 lbs. @ 11d. lb.; 9 lbs. @ 1/- lb.
„ Sapo. Meth., 9 lbs. @ 7d. lb.
Linseed c. Oil, Crushed, 3 cwt. @ 17/6 cwt.; 1 cwt. @ 18/6 cwt.

*Mist. Sennæ Comp., B.P., 20 lbs. @ 6½d. lb. 6 lbs. @ 7½d. lb.
Morphinæ Acet. Hydrochlor. or Sulph., Pulv. B.P., 25 oz. @ 8/1 oz.; 16 oz. @ 8/3 oz.; 8 oz. @ 8/6 oz.; 1 oz. @ 9/6 oz.; Pur. Præcip. Bimeconate or Tart. 1 oz. @ 11/6 oz.

Naphthalene Candles or Balls, 1 cwt. @ 13/6 cwt.; 56 lbs. @ 16/- cwt.; 28 lbs. @ 18/- cwt.

Ol. Amygdal. Essent., Artificial, free from Chlorine, 5 lbs. @ 3/- lb.; 1 lb. @ 3/9 lb.
Ol. Anethi Ang. B.P., 1 lb. @ 14/6 lb.
Ol. Aurant., 12 lbs. @ 15/- lb.; 1 lb. @ 15/6 lb.; not guaranteed absolutely pure.
Ol. Cajuput, B.P., 21½ oz. botts. @ 3/- lb.
Ol. Caryoph. Ang., B.P., 9 lbs. @ 4/3 lb.; 4½ lbs. @ 4/5 lb.
Ol. Eucalypt., B.P., 1 cwt. @ 1/5½ lb.; 28 lbs. @ 1/6½ lb.; 9 lbs. @ 1/7½ lb.
Ol. Geranii Gall. Opt., 1 lb. @ 28/- lb.; 8 1-oz. bots. @ 2/3 oz.; 1 oz. @ 2/6 oz.; Turc., 1 lb. @ 12/6 lb.; 4 ozs. @ 15/- lb.
Ol. Juniperi Bacc., B.P., 4½ lbs. @ 3/6 lb.; 1 lb. @ 3/10 lb.; Ligne Exot., 1 cwt. @ 1/2 lb.; 28 lbs. @ 1/4 lb; 9 lbs. @ 1/5 lb.
Ol. Lavand. ab Flor., 5 lbs. @ 13/- lb.; 1 lb. @ 13/6 lb.
Ol. Menth. Pip. English, 5 lbs. @ 32/- lb.; 1 lb. @ 33/6 lb.; Hotchkiss original bots., 21 oz. each @ 19/3 lb.; 6 bots. @ 18/9 lb.; 18 bots. @ 18/- lb.; American, 20 lbs. @ 15/- lb.; 4½ lbs. @ 16/2 lb.; 1 lb. @ 16/8 lb.
Ol. Myristicæ, 7 lbs. @ 2/10 lb.; 1 lb. @ 3/2 lb.
Ol. Nucis Pallid, 45 galls. @ 3/8 gall.; 2 gall. tins @ 4/6 per gall.
Ol. Olivæ, P.B., good yellow, guaranteed pure, 45 gall. Barrels @ 4/10 gall.; 2-gall. tins @ 5/6 gal.; fine cream, 9 lb. tins @ 7/2 each.
Opium Turc. B.P., 14 lbs. @ 16/8 lb.; 3 lb. @ 17/8 lb.; 1 lb. @ 18/2 lb.; powder, 6d. lb. extra.

Phenacetin, P.B., pulv., 1 cwt. @ 2/11 lb.; 7 lbs. @ 3/1 lb.; 1 lb. @ 3/4 lb.
Phenazone, P.B., 7 lbs. @ 6/11 lb.; 1 lb. @ 7/6 lb.
Phenolphthalein, 7 lbs. @ 5/6 lb.; 1 lb. @ 6/- lb.
Potas. Acetas. Gran. P.B., 28 lbs. @ 1/1 lb.; 7 lbs. @ 1/2 lb.
Potas. Bicarb. pulv., 1 cwt. @ 32/6 cwt.; 7 lbs. @ 4d. lb.
Potass. Brom. P.B., 1 cwt. @ 1/7 lb.; 28 lbs. @ 1/7½ lb.; 7 lbs. @ 1/9 lb.
Potass. Chlor. Pulv., 1 cwt. @ 4d. lb.; 7 lbs. @ 5d. lb.
Potass. Cit., B.P., 7 lbs. @ 2/4 lb.
Potass. Metabisulph. 1 cwt. @ 35/6 cwt.; 7 lbs. @ 6½d. lb.
Potass. Iod., P.B., 1 cwt. @ 11/8 lb.; 14 lbs. @ 11/11 lb.; 3 lbs. @ 12/- lb.
Potass. Permang., Cryst., 1 cwt. @ 40/- cwt.; 7 lbs. @ 5d. lb.; large cryst., 7 lbs. @ 6d. lb.

Quininæ Sulph., B.P., 100 ozs. @ 1/0½ oz.; 25 ozs. @ 1/2 oz.; 10 ozs. @ 1/2½ oz.

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Rad. Rhei, E.I., English Ground, 1 cwt. @ 1/4 lb.: 28 lbs. @ 1/6 lb.: 7 lbs. @ 1/7½ lb.

Sal. Acetos., 1 cwt. @ 5½d. lb.; 56 lbs. @ 6¼d. lb.; 7 lbs. @ 7d. lb.
Salicinum, B.P., 1 lb. @ 16/6 lb.
Salol, B.P., 7 lbs. @ 2/0½ lb.; 1 lb. @ 2/4 lb.
Sang. Draconis. pulv., English ground, 1 cwt. @ 1/10½ lb.; 7 lbs. @ 2/0½ lb.
Santonine, P.B., 7 lbs. @ 107/- lb.; 1 lb. @ 109/- lb.
Sapo. Cast. Alb., 10 cwt. @ 28/6 cwt.; 2 cwt. @ 30/- cwt.; 7 lbs. @ 3¾d.; pulv., 1 cwt. @ 65/- cwt.; 56 lbs. @ 68/- cwt.; 7 lbs. @ 8d. lb.; Animal pulv., 1 cwt. @ 70/- cwt.; 56 lbs. @ 72/- cwt.; 7 lbs. @ 9d. lb.
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Sodii Cit., B.P., 3 lbs. @ 2/9½ lb.
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Sodii Bromid., P.B., 1 cwt. @ 1/11½ lb.; 7 lbs. @ 2/1½ lb.
Strontiæ Bromid., 1 cwt. @ 1/8½ lb.; 7 lbs. @ 1/11 lb.; 1 lb. @ 2/2 lb.
Strychnina cryst., B.P., 25 ozs. @ 1/7½ oz.; 1 oz. @ 2/3 oz.; Hydrochlor. and Sulphate, 2d. oz. less.
Sulphonal, P.B., 1 lb. @ 9/6 lb.
*Syr. Aurant. P.B., 7 lbs. @ 9½d. lb.
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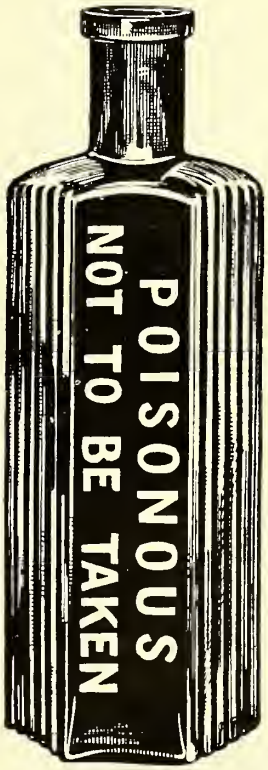

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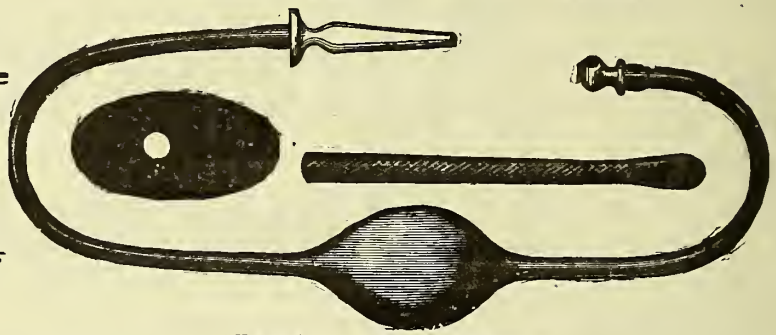

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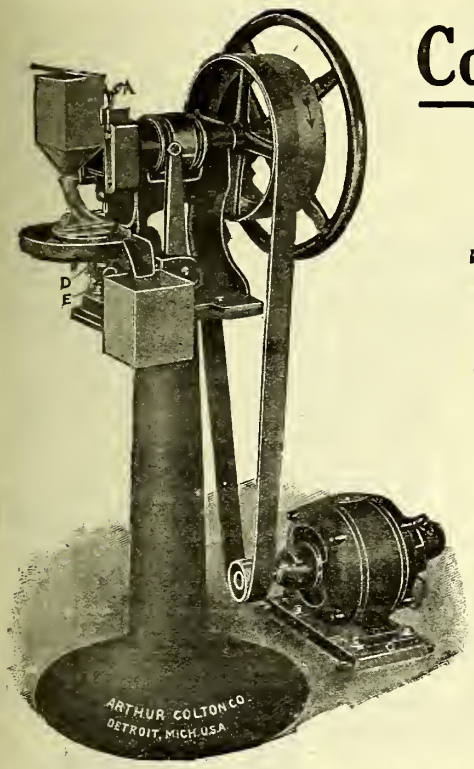

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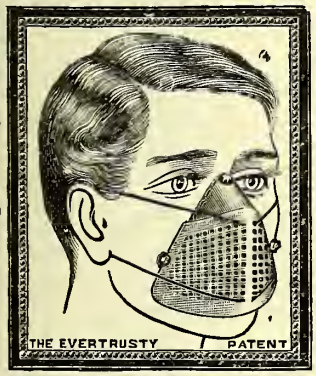

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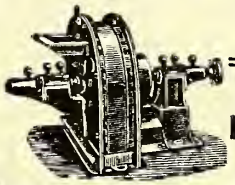

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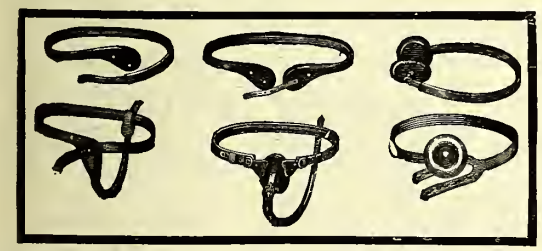

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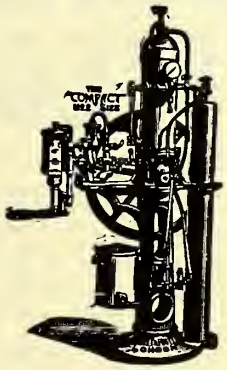

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[*See "A Problem for 'Live' Chemists!"*—"C. & D.," Jan. 24, 1914 p. xiv.]

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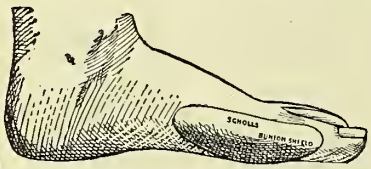

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WITH

DAMAGES AND COSTS,

obtained against THE VENDOR for using the word

PHOSFERQUIN.

In the High Court of Justice.

CHANCERY DIVISION.

Before MR. JUSTICE COZENS-HARDY.

Between ASHTON & PARSONS, LIMITED,
Proprietors of "Phosferine" (*Plaintiffs*)
AND
THE VENDOR OF PHOSFERQUIN (*Defendant*).

A PERPETUAL INJUNCTION with damages and costs was granted on the 14th December, 1900, restraining the above Defendant, his servants and agents from in any manner infringing the Plaintiffs' Registered Trade Mark, 6530, and from selling or offering or exposing or advertising for sale or procuring to be sold any medical preparation not prepared by the Plaintiffs under the name of "Phosferine" or under any other name which by colourable imitation of the Plaintiffs, word "Phosferine" or otherwise was calculated to represent or lead to the belief that such preparation is "Phosferine" or is a preparation of the Plaintiffs, and from selling or supplying any such preparation as aforesaid in response to orders for "Phosferine" or for a preparation of the Plaintiffs or from otherwise passing off or enabling or assisting others to pass off any such preparation as aforesaid as or for "Phosferine" or a preparation of the Plaintiffs.

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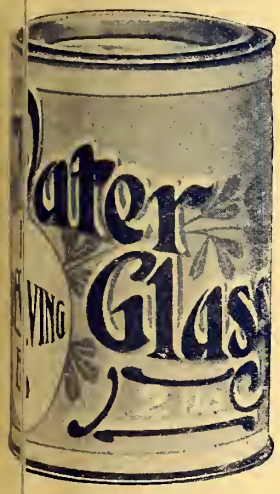

ng is believing" all the world we suggest to our friends ter display a glass vessel ng an egg in water glass as r demonstration of Egg Pre- which will invite questions the opportunity for recom- n.

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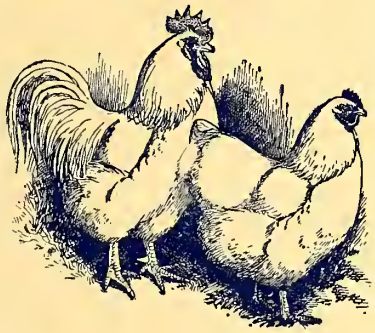

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12 ,,		2/2	,,
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1 lb. Water Glass	...	0	4
100 Eggs	... ...	8	4
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6/6 ,, ...	1	15	2	3	18	0	2	2	10
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HE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C. SATURDAY, FEBRUARY 7, 1914

Telephone Number: Bank 852 (two lines). Telegraphic Address: "Chemicus, Cannon London" (charged as two words)

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HEALTH Resort, South of Scotland.—For immediate Disposal, old-established, high-class Retail, Dispensing, and Photographic Business; rent (shop) £28; good position; returns increasing; terms, stock and fittings at valuation (about £400) and goodwill. Full particulars from James Inglis, Spa Pharmacy, Well Street, Moffat.

HEALTH Resort on the Bristol Channel.—Good-class Light Retail and Dispensing Business, modern and up to date in every respect; returns £2,400, and making a net profit of £650 a year; comfortable house; very best position; price £1,800; an excellent business, capable of development. "Western" (229/19), Office of this Paper.

I HAVE for Disposal two Branch Businesses: (A) Returns £1,250 per annum; net profit £350; high-class business, entirely under management; (B) good medium-class Family Business; returns now £900 per annum (could be doubled); long lease at very low rent; business under management; plenty of Dispensing without Insurance, and scope for this work; cash buyers are invited to investigate these businesses, which will be sold at moderate prices; advertiser is actual seller. "Formamine" (227/6), Office of this Paper.

OLD-ESTABLISHED Business in country town; sound concern, with increasing returns; none but bona-fide buyers need apply. "Chemist" (226/29), Office of this Paper.

ON Easy Terms or Outright Sale.—Exceptional opportunity offers itself for energetic, honest Chemist to acquire old-established Business, Yorks industrial town; turnover £1,800; profit £500; must be used to working-class trade and able to handle 2,000 customers weekly. Particulars, with capital at disposal, 222/16, Office of this Paper.

RETAIL Business for Disposal; shop nicely fitted and well stocked; net profit about £200; the business is in pleasant situation, is easily worked, and has excellent 6-roomed house, with bath, and large garden; price about £300; every investigation allowed. 227/13, Office of this Paper.

SPLENDID Opportunity.—Corner Shop, well fitted, modern; good stock Drugs; value stock, fittings, £200; good living accommodation; populous district; no near competition; rent £26; under qualified management a gold mine; quick sale sacrifice £55. McAuley, Eldon Street, Drug Store, Preston. No agents.

UNOPPOSED Business in small agricultural town in Eastern Counties, population 2,000; offers fine opportunity for young man with small capital to acquire a business capable of quick increase; takings average £10 per week; price £200, or valuation. Apply, "Eastern" (227/1), Office of this Paper.

£45 or near offer.—Drug Stores, well fitted and stocked, situated in factory neighbourhood; no opposition; taking weekly £5 under female management; only wants viewing; exceptional scope for Panel; good house accommodation; rent £30; taxes low. 229/14, Office of this Paper.

£75.—YORKSHIRE, N.R.—Owing to illness, owner is compelled to dispose of newly fitted and stocked lock-up Shop in main road of busy manufacturing town; thousands of people pass the door daily; offers immense scope; low rent; in a prominent corner position. Stamped addressed envelope for particulars to "Dispenser" (226/4), Office of this Paper.

£133.—Thoroughly genuine Business offered for perfectly satisfactory reasons; same hands 5½ years; returns about £8 weekly besides Insurance, which last quarter was £22; net profit nearly £200 now; much neglected latterly, but capable of being doubled; no near opposition in district of 8,000; large mahogany fitted shop. "Earnest" (223/16), Office of this Paper.

£350.—New Business established in large North-East town; returns first year £500, increased 50 per cent. so far the second year; good profits; low rent; Panel Chemist. Apply, "Vendor" (226/36), Office of this Paper.

£7,000 RETURNS. — Very old-established Wholesale, Retail, Agricultural, and Mineral Water trade, with several valuable Proprietary Articles of established demand, Yorkshire; the business is in a sound and healthy condition, and as vendor is owner of premises he would be interested in the buyer's success and do what he could to help him; terms, valuation of stock, plant, and fixtures, estimated at about £2,600. Applicants with references can have full details of Messrs. Brett & Co., Valuers, 73 Laurel Road, Leicester.

BUSINESSES WANTED.

GOOD little Business or Chemist's Shop Fittings and Stock bought outright; or Management with purchase option entertained. "M.P.S." (226/12), Office of this Paper.

MESSRS. BERDOE & FISH, having recently been successful in disposing of a large number of businesses, are in immediate want of sound concerns with turnover from £600 to £3,000; cash buyers waiting; strict confidence guaranteed; intending vendors are cordially invited to correspond. Valuation Offices, 35 Jewry Street, London, E.C.

TO LET.

NORTH-EASTERN Borough.—Exceptional opening for Chemist: large working-class population (20,000); only two Chemists; situation central and prominent; immediate possession; moderate rent. Apply, James Dodds, Estate Agent, Stockton-on-Tees.

SUTTON COLDFIELD (near Birmingham).—First-class lock-up Premises to Let; thickly populated; good Panel district; commanding corner position; rent £25; excellent house attached, can be had if desired. For particulars apply, Lawrence & Wightman, Estate Agents, 1 Cannon Street, Birmingham.

SHOP to Let, main road, S.E.; good opportunity for Chemist, one wanted; in excellent condition; roomy, electric and gas on, plate-glass; cheap. Apply, "E.," 240 Queen's Road, New Cross, S.E.

SHOP.—In central and commanding position in Southwold, spacious Shop and Rooms to be Let. Apply, Graham, Brook, Godalming.

TENDERS.

FULHAM BOROUGH COUNCIL.
DISINFECTANTS.

THE Fulham Borough Council is prepared to [illegible] for the supply of Disinfectants for the twelve m[illegible] the 31st March, 1915.

Tenders must be made on printed forms spec[illegible] of Contract, provided by the Council, sealed and e[illegible] for Disinfectants," and delivered at the Tow[illegible] H[illegible] S.W., by 4 p.m. on Wednesday, the 18th February, 1[illegible]

The Council does not bind itself to accept t[illegible] Tender.

By Order
J. PERCY SHUTE[illegible] T[illegible]
Town Hall, Fulham, S.W.

CORPORATION OF LONDON

DISINFECTANTS.

THE Sanitary Committee of the Corporation of [illegible] pared to receive Tenders for the supply of s[illegible] D[illegible] Chemicals, and Laboratory Appliances as may be [illegible] the Corporation during the three years from [illegible] 1914.

A list of such Disinfectants, etc., and f[illegible] be obtained at the Office of the Town Clerk, [illegible] Department, Guildhall, E.C. Tenders, which sh[illegible] forms, must be sealed and endorsed "Tend[illegible] etc." addressed as above, and delivered at the C[illegible] keeper, Guildhall, E.C., between the house of 12 [illegible] 1 p.m. on the 24th day of February, 1914.

The Committee do not pledge themselves to a[illegible] or any tender.

AGENCIES.

Price lists, trade circulars, samples, and printed [illegible] in no case be forwarded.

AGENT for London and large provincial town[illegible] Chemists and Druggists, wanted by a French M[illegible] firm for the sale of a novel article selling re[illegible] France; salary and commission to the right man. Ap[illegible] Société Asie, 28 Rue Perrier, Levallois Perret (Seine) [illegible]

AGENTS wanted, with good connections among Che[illegible] to sell Sweet Pea and Rose and other Fert[illegible] fectants, put up in attractive 6d., 1s., and 1[illegible] excellent selling lines for Spring; good commis[illegible] Thomas, Ltd., Ceres Works, Liverpool.

BUSINESS with Spain.—A gentleman from Bar[illegible] of a Commission house in Spain, with ex[illegible] references, in London, desires to Represent Engl[illegible] as Agent or Buyer on his own account of Chem[illegible] Address, "A. G.," 6 Sheppy Place, Minories, E.

DRYSDALES, LTD., Wholesale and Manufactur[illegible] Brisbane, Queensland, seek special Quotations, with [illegible] for Druggists' Sundries, especially for such art[illegible] brushes, Corks, Dispensing-bottles, Cotton-w[illegible] Bandages; Drysdales are open to consider fa[illegible] appointment as sole Queensland or Australian Age[illegible] live lines handled by Chemists. All commun[illegible] addressed to the Managing Director, Petrie's B[illegible] Queensland.

LARGE European House in India, established 40 y[illegible] first-class Agencies; Chemicals, Drugs, Med[illegible] London; advertising required. Write, Campion 58 [illegible] Garden, London.

PERFUMERY.—Agent, with excellent connections [illegible] sale Chemist and Druggist houses, covering twice [illegible] whole of Brazil, is open to accept exclusive Agency [illegible] Perfumery on commission basis; principal at present [illegible] 223/31, Office of this Paper.

WELL-ESTABLISHED firm require Manufacturer [illegible] calling on Mineral Water Makers in Scotland to [illegible] Buying Agency for Essences, etc.; liberal terms and mo[illegible] Scotland; give particulars of present lines dealt in [illegible] covered. Apply to "Flavourings" (222/13), Office of th[illegible]

FOR SALE.

CASH Till, National, slightly used, for Sale, second-hand [illegible] perfect condition. Write, "A. R.," 6 Rochester [illegible] Camden Road, N.W.

HYDRO Extractor by Heine, 33 in., copper cage, exce[illegible] strong; under-driven by belt from its own steam [illegible] practically new. Joyce, White Hart Lane, Tottenham.

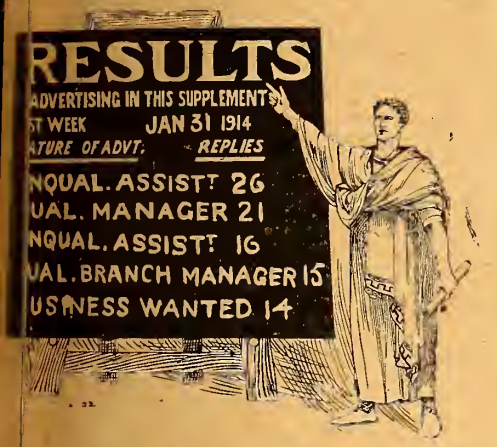
PARTNERSHIPS.

ED, qualified Branch Manager prepared to invest half amount of valuation of good-class Retail, Dispensing, hio business; net profit, after paying all expenses, salaries and commission, over 20 per cent. on capital perfect security, with option of completing purchase; lar appointment. Give full particulars, 223/19, Office of r.

SITUATIONS OPEN.

. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

Advertiser may, if preferred, have replies d to this Office, and forwarded on payment of an al charge of **6d.**



ckboard demonstrates that Advertisers using these nns get a ready response to their announcements. igures only refer to some of the letters RECEIVED AT OFFICE on behalf of Advertisers who use a number m de plume.

TO SAVE TROUBLE.

orrespondents answering advertisements in this Supple- enclose remittances to cover the cost of forwarding their s to advertisers who prefer to be addressed c/o this Office. Publisher desires to make it clear that this is quite fluous, and perhaps this reminder will obviate the neces- of the frequent return by him of such remittances.

R IN TERMS OF THE ADVERTISEMENT AND BER you are one of possibly hundreds applying for the position. Put your case before the advertiser so that he be able to form a MENTAL PICTURE of your suit- ess.

F BUT CLEAR.—Millions of applications are consigned to aste-paper basket UNCONSIDERED, because the reader t form this picture from the inadequacy of the materials efore him.

RETAIL.

N-UNDER-LYNE.—Young qualified Assistant wanted; ry £3 per week and commission; must be quick and and a good Salesman. State age, height, experience, e, and photo, 227/10, Office of this Paper.

NGHAM.—Junior Assistant required; good Counterman, k and accurate Dispenser, and used to Photographic utdoors; must have first-rate references. Apply, by o the University Drug Co., Chemists, Bournbrook, Bir- m.

N.—Young qualified Assistant as Manager of branch; nancy for a capable, energetic man. Apply, with full ars, to Waller & Riley, Ltd., Chemists, Bolton, Lancashire.

BOURNEMOUTH.—Charles D. Cumber, Dispensing Chemist, Winton, Bournemouth, requires a gentlemanly Junior Assistant. State experience and salary required (indoors), enclose photo (which will be returned), give references, and state when disengaged.

BRISTOL.—Qualified Branch Manager, with good experience; also unqualified Assistant, expert at Window-dressing; satisfactory references; ordinary hours; no Sunday duty; outdoors; closed 1 Wednesdays. Age, height, salary, references, and photo to Managing Director, Hodders, Ltd., 5 Nelson Street, Bristol.

COVENTRY.—Junior Assistant wanted next month. State age, experience, salary required, etc. (photo if possible), Bird, Chemist, Coventry.

CREWE.—Qualified Assistant wanted at once for a good Country business; easy hours; half-day; outdoors; permanency. State full particulars, age, reference, salary required, photo if possible, Exors. of E. Booth, Crewe.

CROYDON MENTAL HOSPITAL, Upper Warlingham, Surrey. —Lady Dispenser wanted; candidates must be between the age of 21 and 35 years, and must possess a certificate in Dispensing; wages £35, rising by annual increments of £5 to £50 per annum, with board, lodging, washing, and uniform; the appointment will be subject to the provisions of the Asylum Officers' Superannuation Act, 1909, but will be excepted from the National Health Insurance Act, 1911. Apply to the Medical Superintendent, stating age, experience, and enclosing copies of two recent testimonials and photograph.

GREENWICH, S.E.—Wanted, a Junior Assistant for up-to-date Cash trade and Dispensing, or part-time man for evening. Apply, Baker's Drug Stores, 16 Church Street, Greenwich.

HAMPTON COURT.—Junior wanted (indoors) for Light Retail and Dispensing, with knowledge of Photography. Full particulars and salary required to J. S. Wellburn, East Molesey.

LANCASHIRE.—Qualified Manager required for a good suburban business offering exceptional scope for increase; good salary, with an interest in the profits, offered to a first-class man; permanency. State when at liberty, 227/26, Office of this Paper.

LANCASHIRE.—Junior Assistant required for good suburban business; good opportunity for young man wishing to gain a wider experience. State age, salary required, and when at liberty, 227/27, Office of this Paper.

LEEDS.—Wanted, qualified Assistant; hours 9 to 9; half-day holiday; Saturday 11 p.m.; Sunday duty one in four; state salary and photo. Apply to E. Sleight, 134 Burley Road, Leeds.

LEEDS.—Qualified Manager, abstainer, Extractor, etc., for good working-class Branch business; live on premises preferred; state salary required; must be active and energetic; also wanted, qualified man, elderly or disabled, for Insurance supervision. Apply, 226/33, Office of this Paper.

LIVERPOOL.—Junior Assistant, about 21 years of age, for good-class business; 3 kept. State age, height, references, and salary required (outdoors), with photo, Mr. J. Bain, 4 Quadrant, Lime Street, Liverpool.

LONDON, E.—Wanted, a smart Junior Assistant or Improver. Please send full particulars of experience, refereuces, and salary required, to Snowden Kirk, 6 Chrisp Street, Poplar, London.

LONDON, E.—Qualified Assistant required for newly-opened shop; capable of taking charge; hours long; young man preferred; must be ready to take real interest in business and not afraid of work; permanency, with progressive salary. Give commencing salary required and references, 229/31, Office of this Paper.

LONDON, N.—Qualified Senior Assistant, capable of managing. Apply personally if possible, or enclose photo, with full particulars of age, height, experience, and salary required (outdoors), to W. Burgess Dow, 518 Hornsey Road, N.

LONDON, N.—Young Assistant, part or whole time, for Dispensing and quick Retail; outdoors. Write, full particulars, salary, and time required, etc., "N." (226/1), Office of this Paper.

LONDON, N.—Capable Assistant, mainly for N.H.I. Dispensing; two Assistants kept; hours of business 8.30 to 10; state experience, names of references, when disengaged, and salary required (indoors). Apply (letter only), "Chemist," c/o J. Stenhouse, Esq., 82 Bayston Road, Stoke Newington, N.

LONDON, N.—Wanted, Assistant, from 25 to 30 years of age, for high-class Retail and quick Dispensing; must be accustomed to good-class trade; quick and neat Dispensing and Counter work, and with a knowledge of Photography preferred; qualification not so essential as a thoroughly experienced practical Assistant; easy hours; in- or out-doors. Apply, in first instance, "Y. Z.," c/o Messrs S. Maw, Son & Sons, Aldersgate Street, E.C.

LONDON, N.W.—Wanted, Junior Assistant (indoors), with good-class Dispensing experience. Apply, Elmer Pettinger, 30 Rosslyn Hill, Hampstead, N.W.

LONDON, S.E.—Wanted, a Managing Assistant for a small Drug Store, capable of Prescribing, Dispensing, and Stock-keeping; moderate salary; indoors. State full particulars, age, references, abstainer, etc., to D. U. Still, 9 The Village, Old Charlton.

LONDON, S.E.—Assistant wanted, about 25, for March 1; tall, gentlemanly; good Dispenser and smart Counterman essential; for first-class Dispensing and Retail; outdoors. State usual particulars, Bailey, 61 Old Dover Road, Blackheath, S.E. 'Phone: 673 Lee Green.

LONDON, S.W.—Unqualified Junior Assistant required; outdoors. Apply to A. J. Phillips, 156 Cromwell Road, South Kensington.

LONDON, S.W.—Senior Assistant, qualified, wanted in good-class Dispensing business; to live indoors; good salary offered to capable and conscientious man. Send full particulars to "Tempus" (226/2), Office of this Paper.

LONDON, S.W.—Vacancy for part-time Assistant; 5 or 6 evenings weekly; unqualified; please state terms. Address, "X. Y. Z." (227/3), Office of this Paper.

LONDON, W.—Required immediately, a thoroughly experienced, up-to-date, all-round Assistant, of first-class appearance and address, for permanency; outdoors; not under 5 ft. 9 in. nor over 32 years of age; must be a really good Counterman; liberal salary. W. V. Wright, 25 Broadway, Hammersmith.

LONDON, W.—Required, qualified Assistant, accustomed to good-class Dispensing business; please state full particulars, age, experience, and salary required; enclose photo if convenient. Apply, W. A. Weston, 8 Sandringham Parade, Ealing, W.

LONDON, W.—Wanted at once, good all-round qualified Chemist, capable of taking charge; working-class district; good wages. Give full particulars in first letter to 228/35, Office of this Paper.

MANCHESTER.—Junior Assistant for Retail and Dispensing; state age, height, reference, and salary required; photo if possible. Beal, 446 Rochdale Road.

MANCHESTER, near.—Qualified Assistant for Light Retail and Dispensing; elderly not objected to. Apply, 226/18, Office of this Paper.

MANCHESTER.—Qualified Assistant. State age, height, experience, salary required (outdoors), and references, also when disengaged, Jeans, 151 Oxford Road, Manchester.

NEWCASTLE, STAFFS.—A young qualified Assistant required immediately; one used to Counter and Photographic trade preferred; half-holiday weekly and no Sunday duty. Apply, giving references and salary required, to Oxens, Cash Chemists, The Rexall Stores, Newcastle, Staffs.

RADCLIFFE, Manchester.—J. T. Smith & Son require young qualified Assistant March 2; outdoors; permanency offered to suitable man. Send references and salary required, or personal interview preferred.

READING.—Wanted, young qualified Assistant (indoors or outdoors), gentlemanly and obliging, for good-class Dispensing and Light Retail; must be well recommended. State usual particulars, with salary required, to J. C. Rowell, 3 Duke Street, Reading.

SOUTH COAST.—Junior Assistant (indoors) for high-class Dispensing and Retail business; comfortable home; three Assistants kept. Please give full particulars of experience, age, height, salary required, and if possible enclose photo, R. W. Robbins, Pharmacist, 44 St. Leonards Road, Bexhill.

WELLINGTON.—Wanted, qualified Assistant for Country Drug-stores; easy hours; no Sunday duty; Friday half-day. Ison & Sons, Ltd., Wellington, Salop.

A JUNIOR Lady Dispenser needing experience; part-time, two days a week; small salary given Apply, Medical Mission, Quadrant Street, Old Canning Town, E.

ASSISTANT, smart, about 30; Prescriber, knowledge of Optics, and good Window-dresser; good salary to suitable man. State age, height, experience, salary, and when disengaged, photo if possible, McCallister, Pharmacist, Westhoughton, near Bolton.

ASSISTANT, qualified, about 24, for first-class West-End business; five kept. Apply to "J. W.," o/o British Drug Houses, 22 Graham Street, City Road, N.

ASSISTANT wanted by firm of high-class Chemists; must have had good Dispensing experience. State age, height, and salary required in first letter to 225/23, Office of this Paper.

ASSISTANT; smart; immediately; 22-24; g[illegible] quick Dispenser; near London; indoors; good salary able man. "Acacia," c/o Wright, Layman & Umney, S.E.

ASSISTANT wanted; about 24; indoors or out[illegible] Dispenser, with knowledge of Photography. Stat[illegible] salary, and references, Garner, 204 Haverstock Hill, Lon[illegible]

ASSISTANT required for Light Retail and Dispens[illegible] State salary and usual particulars to W. Wa[illegible], S[illegible] Street, Sidcup, Kent.

ASSISTANT (unqualified), age 24-30, wanted f[illegible] suburban Store, Counter, and Dispensing. Appl[illegible] between 10 and 12, or by letter, Coppen Bros., [illegible] Vincent Square, Westminster.

ASSISTANT; unqualified; experienced; good and [illegible] man; principally for Counter in good-class St[illegible] under principal; no Sunday or Bank Holiday duty. [illegible] 229/1, Office of this Paper.

ASSISTANT, 22-30, qualified Junior or thorough[illegible] unqualified, for Dispensing and Light Reta[illegible] good all-round experience; very comfortable indoor [illegible] tion; half-day weekly and whole day off monthly; personal view invited. State full particulars and salary r[illegible] letter, enclosing photo, Body, "Westwood," Britann[illegible] Westcliffon-Sea.

COMPETENT Junior (outdoors); Dispensing and [illegible] Sunday duty. Send full particulars (and photo if p[illegible] Read, Chemist, Thorne, *via* Doncaster.

COMPETENT Assistant required for Counter; out[illegible] Smith & Co., High Street, Cheltenham.

DISPENSER and Bookkeeper wanted at once; q[illegible] time; no ladies; good salary to capable man; [illegible] 30. Apply, by letter, with recent testimonials, to Drs. K[illegible] Johnson, Gothic Lodge, Old Devonshire Road, Balham. S.[illegible]

DISPENSER; quick and accurate; outdoors; about 25. [illegible] with full particulars (personal interview preferr[illegible]), [illegible] 25 Westow Hill, Upper Norwood, S.E.

DISPENSER (Male) required by Doctor; no clubs or Pa[illegible] over 40; good references indispensable; permanency [illegible] able. Write, stating age and salary required (outdoors), 2[illegible] Office of this Paper.

FIRST-CLASS Manager wanted for a West-End Branch D[illegible] ing business; outdoors. Apply, with full par[illegible] closing photograph, to 225/17, Office of this Paper.

IMMEDIATELY, for quick, easily worked, good-class b[illegible] busy season trade, qualified Manager; good ap[illegible] address; suit middle-aged or elderly man; splendid [illegible] class references essential. Full particulars first le[illegible], A[illegible] Deganwy, Llandudno.

IMMEDIATELY, unqualified Junior for Light Retail, Disp[illegible] and Photographic business; hours easy; no evening or [illegible] duty. Apply, giving full particulars as to age, height, exp[illegible] salary required (indoors), with references and photo, to [illegible] Hill, Ph.C., 90 High Street, Gorleston-on-Sea.

JUNIOR or Improver (outdoors) for good-class Reta[illegible] pensing business. State experience, age, height, salary, disengaged, with photo and references, to W. Bland B[illegible] Pharmaceutical Chemist, The London Pharmacy, Bourn[illegible]

JUNIOR Assistant for old-established business; Dispensin[illegible] Photography; no Sunday duty; light hours. Apply, [illegible] wages and necessary particulars, to Stephen Taylor, 178 [illegible] Road, Barrow-in-Furness.

JUNIOR Assistant for Light Retail and N.H.I. Disp[illegible] State age, salary required, etc., E. F. Young, Pha[illegible] 67 Wells Road, Bristol.

JUNIOR Assistant wanted; accustomed to good-class Disp[illegible] and Photographic business; must be energetic, ob[illegible] abstainer; state experience, etc., giving references, with [illegible] Apply, Collins & Co., Pharmacists, Coulsdon, Surrey.

JUNIOR in good-class Retail and Dispensing busines[illegible] experience, age, height, and salary required (indoors), [illegible] Kingston, Chemist, Bath.

JUNIOR Assistant required for Dispensing; indoors. [illegible] apply, with usual particulars, to Waite & Chambers, [illegible] Lawn, Lansdown, Cheltenham.

JUNIOR wanted for Dispensing and Country business. [illegible] with particulars and salary required (indoors), D. [illegible] The Pharmacy, Tisbury, Wilts.

accustomed to a good-class business; outdoors. Apply, ll particulars, and enclose photo if possible, to Francis mbe Pharmacy, Bournemouth.

Assistant required; outdoors; quick Counter trade; .30 a.m. to 9.30 p.m.; one half-day and one afternoon . to 6 p.m. off; close Kew Gardens. C. Watkins, 1 Parade, High Road, Chiswick, W.

or Improver, accustomed to quick trade; Dispensing, raphic, etc.; good salary to reliable man. Apply, articulars as to experience, salary, etc., to George & ts, 127 and 129 Barking Road, East Ham.

or Improver for Light Retail, Dispensing, and Photo- business; hours easy. Apply, giving full particulars, , experience, salary required (indoors), with references 114,27, Office of this Paper.

(male) for nice class Retail and Dispensing business don suburb, S.E., either in- or out-doors, but former time for study during mornings allowed if required. lars as to age, height, experience, and salary in first e, "Nippon" (226/10), Office of this Paper.

Assistant, good address, wanted for Dispensing business. state age, height, experience, and salary required (out- d enclose photo if convenient, A. E. Bayles, Great

or Improver wanted for good-class Retail and Dis- g business; must be quick and obliging; indoors. Apply, particulars, salary required, and enclose photo, to F. Brompton Road, S.W.

Assistant required (March 1) for good-class Dispensing ess in Surrey. Apply, with full particulars and photo, n, Chemist, Esher. Applications not answered in three y declined.

LAND & CO., Chemists, Wrexham, require qualified ager for their Ruabon branch; exceptional berth; ountry; permanency only; branch has had last three in 21 years; agreement; commission; Welsh advantage ssential; keen Counterman and energetic. Apply, with ulars, to L. B. Rowland, Whybro House, Wrexham.

& BURROWS have a vacancy for a smart young Junior ant. Apply, with full particulars, enclosing photograph, lborn Bars, E.C.

Dispenser (qualified) and Bookkeeper wanted by Medical with non-Panel practice in small North Midland town; t heavy; to live out. Apply, stating age, experience, uired, references, etc., to 225/6, Office of this Paper.

& BURROWS have a vacancy for a smart young quali- Assistant. Apply, with full particulars, to 146 Holborn .

S. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, uire a capable Pharmacist as Manager; easy hours; good gressive salary, with excellent prospects.

GER or Assistant-Manager (with view to partnership) Mid-Wales; qualified, capable, and energetic man wanted develop a business of capability but which has been ; Agricultural district; knowledge of Veterinary work unique opportunity for a really suitable man. Write, (218/5), Office of this Paper.

GER, qualified, married, for small branch; good house ished; healthy district near Liverpool. Kindly apply, ull particulars, to "Pharmacist," 128 Grange Road, ad.

S. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, e a vacancy for an unqualified Assistant; permanency l salary.

IAN in high-class Dispensing and Optical business; an llent opportunity to gain experience in all practical Optics; F.S.M.C. certificate not essential. State salary (indoors), experience, photo, etc., to Saxby, F.S.M.C., ist, Cheltenham.

E'S Drug Stores, Ltd., require smart Junior for the nter. Apply personally at 65 Harmood Street, N.W., 10.30 a.m. and 12 o'clock, or write, giving fullest ars.

IFIED outdoor Dispenser and Bookkeeper wanted by firm Doctors in South Coast town; state salary, send testi- ; no Sunday work. Address, 222/28, Office of this Paper.

IFIED Manager or Assistant for General Retail and Dis- sing business; N.H.I. Apply, 228/18, Office of this Paper.

QUALIFIED Assistant and Manager required for modern Stores; good salary and commission and reasonable hours, with no Sunday or Bank Holiday duty; comfortable berth. Apply, stating age, height, experience, references, and salary required, and enclose photo if convenient, Martyn's Stores, Ltd., 26 Queen Street, Wolverhampton.

QUALIFIED Assistant; early in March; accustomed to good-class business; indoors. Apply, with full particulars, to R. S. Starkie, 126 Strand, W.C.

QUALIFIED Assistant required for a good-class business; age about 23; outdoors; excellent opportunity to learn Optics; Junior Assistant also kept. Apply, with fullest particulars and salary required, also photograph enclosed, Black & Co., Pharmaceutical Chemists and Opticians, 81 St. James's Street, Brighton.

QUALIFIED Assistant wanted at once for Light Retail and Dispensing business; indoors. Apply, with full particulars, salary required, and photo (to be returned), to T. Johns, 73 High Street, Gravesend.

QUALIFIED Assistant required for a good-class business, about 23; good Dispenser. State age, height, salary (indoors), when disengaged, 226/16, Office of this Paper.

QUALIFIED (middle-aged) man or woman, to Dispense N.H.I. prescriptions only; hours 9.30 a.m. to 9 p.m.; half-day and Sunday off. Apply, stating age, salary, and experience, "Catechu" (226/23), Office of this Paper.

QUALIFIED Assistant wanted. Apply, with usual particulars as to salary required, etc., to Dean, Chemist, Bury, Lancs.

SMART Junior; about 20; outdoors. Photo and full particulars to Cumming, Chemist, Crewe.

T. JONES & CO., 5 Putney Hill, require a qualified Assistant, age about 26 or 28, for good-class Dispensing business. Apply personally between 10 and 6 or from 8 till 9 p.m., or by letter to Mr. Amoore, enclosing photo if convenient.

TWO Assistants wanted, one qualified, to take charge of branch; suit elderly gent or lady; the other unqualified, for head establishment; both must have knowledge of Photography; the latter, smart Counterman, with Store experience; references, photo, and salary expected. Mayors, Inverness.

UNQUALIFIED Manager, age about 25, for branch in country town; main thoroughfare; working-class district. State age and salary, "Cork" (105/15), Office of this Paper.

UNQUALIFIED Assistant wanted (outdoors); half-day holiday weekly; no Sunday duty. Give full particulars, age, experience, salary required, and when at liberty, J. A. Moore, Chemist, Grimsby.

UNQUALIFIED Assistant (outdoors) wanted at once, not under 22 years, with knowledge of Photography. Send reference and usual particulars to W. H. Stones, 21 Tacket Street, Ipswich.

UNQUALIFIED Junior or Improver for Retail and Dispensing in country market town; reasonable hours. Apply, with usual particulars, to J. W. Mainprize, Family and Agricultural Chemist, Otley, Yorks.

UNQUALIFIED Assistant; age from 30 to 50; liberal salary; if married could live over shop, otherwise outdoors; hours very easy; no Sunday or after-hours duty. J. Griffith Isaac, Pharmacist, Neath, South Wales.

UNQUALIFIED Assistant (indoors) wanted immediately for good-class Retail, Dispensing, and Photography. Apply, giving particulars as to salary required, references, etc., to Cruse & Co., Ltd., 7 The Strand, East Southsea.

UNQUALIFIED Assistant wanted in country town for brisk Dispensing and Light Retail; good salary for suitable man; ordinary hours; permanency; outdoors. Reply, stating age, height, salary required, and when at liberty, 226/26, Office of this Paper.

UNQUALIFIED Assistant, with good experience at Counter; willing and energetic; good salary to suitable man. Apply, W. McBryde, Durbin's Drug Store, 112 North End, Croydon.

WANTED by February 14, qualified Manager; married preferred. Apply, giving age, salary required, etc., to G. J. Lusher-Pentney, 98 Queen's Road, Dalston, N.E.

WANTED for a branch, a qualified Assistant; outdoors; hours short and Junior kept; no Dispensing; salary to commence 50s. per week. Apply by letter, stating age and previous employment, to "Phos," c/o Street's, 30 Cornhill, E.C.

WANTED at once, experienced Lady Dispenser; quickness and accuracy essential. Hickman & Metcalf, Pharmacists, Newbury.

WANTED, Assistant; two days weekly, from 8.30 to 10 p.m. Apply by letter, H. Walker, 1 Brownswood Park, Green Lanes, N.

WANTED, registered Assistant (outdoors) for General Retail and Prescribing. Apply, stating age, experience, salary required, and other usual particulars, to H. Clarke, Pharmacist, 11 Market Place, Whitehaven.

WANTED, qualified Assistant as Second; outdoors; three kept; must be of gentlemanly appearance and address, and accustomed to a high-class business; short hours. Apply, with full particulars, to Mr. D. L. Lewis, Chemist, Ealing, W.

COUNTY OF LONDON.

THE LONDON COUNTY COUNCIL invites applications from persons possessing expert knowledge in connection with the Drug, Spice, and Perfumery trade to deliver a course of Lectures at the St. George's Row Commercial Institute, Buckingham Palace Road, S.W. The course will consist of not more than ten lectures, and must relate to the commodities in which the trade deals and to the methods of distribution; each lecture should be not less than one hour in duration, and opportunities should be afforded at the close of the lecture for questions and discussion. The remuneration will be one guinea a lecture, and will cover an attendance of about two hours.

N.B.—The Council will consider applications from persons desirous of lecturing on one or two branches of the trade only.

Applications must be on forms T. 17 (r), to be obtained, with particulars of the appointment, by sending a stamped addressed foolscap envelope to the Education Officer, London County Council Education Offices, Victoria Embankment, W.C., to whom they must be returned by 11 a.m. on Saturday, 14th February. Every communication must be marked "T. 6" on the envelope.

Canvassing, either directly or indirectly, will be held to be a disqualification for appointment.

LAURENCE GOMME,
Clerk of the London County Council.

Education Offices, Victoria Embankment, W.C.
3rd February, 1914.

WHOLESALE.

LONDON, S.W.—Required, young man with experience of Patents and Druggists' Sundries. Write, stating experience and salary required, to H.C. 1339, Sell's Advertising Offices, Fleet Street, E.C.

A LARGE Manufacturing Firm, controlling Proprietary Articles, have a vacancy for a Representative; applicants must have a good live connection; a salary of £250 a year, commission, and expenses will be paid to the right man; territory either North or South England. Apply by letter, "L. R. C.," c/o Crossley & Co., Ltd., 57 Coleman Street, E.C.

BOOKKEEPER; must understand the trade. Apply, stating salary required, to Middleton & Co., Wholesale and Retail Chemists, Middlesbrough.

COUNTER hands for Wet and Dry Floors wanted; must have had good experience. Apply, stating full particulars of previous employment, wages expected, and if disengaged, to 229/20, Office of this Paper.

DRUGGIST Working Foreman wanted to make Cough Balsams, Head Powders, Jelly Squares, and all Sundry Goods. State age, wages, references, experience, in first letter. Address, "Private," Burdall & Burdall, Anchor Works, Sheffield.

DRUG-MAN, with experience of Wet and Dry Counters, required for Wholesale warehouse in provinces. Give full particulars, previous situations, etc., "C. S." (223/9), Office of this Paper.

DRUG-TRADE (Wholesale).—Wanted, an Assistant. Applications by letter, giving age and experience, to Wilkinson & Simpson, Ltd., 24 Newgate Street, Newcastle-on-Tyne.

ESSENCES.—Expert, with first-class knowledge of Fruit-essence Manufacture, wanted to take charge of German factory; salary £500 per annum and commission. Write only in first instance, giving full details of training, experience, and present situation, to 220/32, Office of this Paper.

FOREWOMAN in Wholesale wanted by London Druggists as Stockkeeper and charge of department. Apply, "P. D." (114/61), Office of this Paper.

GENTLEMAN, good address, to represent Lancashire House; North and Midlands except Lancs; must have thorough knowledge of Drug-trade; experienced Salesman only considered, able to effectively call on Chemists and Doctors. Applicants must give full particulars of business experience, salary, expenses, etc., in confidence, 224/1, Office of this Paper.

PILL Maker wanted by a London firm, with good all-round experience. Write full particulars of age, experience, and wage required, to 224/30, Office of this Paper.

QUALIFIED Chemist, to take sole charge of the Laboratory of a well-known provincial house; must be a capable worker and good organiser; previous experience absolutely necessary. Please give full particulars as to salary, etc., in first letter to "Convolvulus" (113/58), Office of this Paper.

RAIMES & CO., Wholesale Druggists, York, requ[illegible] Assistants at the Despatch Counter. Apply w[illegible] ticulars as to age, experience, salary, etc., mark[illegible] "Private."

REQUIRED, for Export Department of Whole[illegible] smart youth, about 16; preference given to on[illegible] some Office experience. Apply by letter, "Export [illegible] Office of this Paper.

TABLET Maker and Granulator, experienced, wan[illegible] firm. Write, stating previous experience and w[illegible] 224/7, Office of this Paper.

TRAVELLER; smart man for London and subur[illegible] Chemists, Drapers, and Stores for Toilet Artic[illegible] gists' Sundries. Full particulars to 220/26, Office [illegible]

TRAVELLERS wanted for a few select packed [illegible] made Medicinal Capsules; North and South [illegible] England, and Wales; good commission. State gro[illegible] 223/2, Office of this Paper.

TRAVELLERS working London districts wa[illegible] Retailers attractive Side-line on good commis[illegible] proposition; small sample; exclusive territory, state [illegible] and ground covered. "N.," 44 Clifton Park Road, B[illegible]

UNQUALIFIED Assistant, about 24, for indoor [illegible] facturing Chemists; must have had good ge[illegible] and Retail experience. Fullest particulars in first [illegible] Office of this Paper.

WANTED, Irish Representative, active, energet[illegible] mission, to represent old firm in Perfume [illegible] papers, etc., who have already good connection [illegible] be undeniable. Apply, "Toothache" (220/31, Off[illegible] Paper.

WANTED, a Representative of gentlemanly app[illegible] on Doctors, Dentists, Hotels, Householders, to [illegible] class representation; liberal commission to suitab[illegible] first-class references necessary. Address full particul[illegible] Willing's, 125 Strand, W.C.

WET Counter.—Wanted, an Assistant for the We[illegible] Reply, stating age, experience, and wages req[illegible] (229/5), Office of this Paper.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

3s. 6d. for 50 words or less; 6d. for every 10 words beyond, prepaid. The Advertiser may, if preferred, have [illegible] addressed to this Office, and forwarded on payment of an add[illegible] charge of 6d.

CALCUTTA.—Messrs. Bathgate & Co. require two Ass[illegible] immediately; Minor qualification; unmarried; age ab[illegible] to 26; passage paid out and home; four years' agreement [illegible] (monthly) first year Rs. 250, second Rs. 275, third Rs. 30[illegible] fourth Rs. 325. Apply, giving full particulars of experi[illegible] Messrs. Alex. Lawrie & Co., 14 St. Mary Axe, London, C[illegible] who will answer all inquiries.

CHINA.—A qualified Assistant (24 to 28) required, w[illegible] perience in Manufacture of P.B. Preparations and [illegible] Analytical knowledge; 4 years' agreement; passage paid o[illegible] home; good slary and excellent prospects to a suitable [illegible] preference given to an English-speaking German. Apply, w[illegible] particulars, to 86/55, Office of this Paper.

KARACHI, India.—Qualified Assistant required for a first-[illegible] private British firm of Chemists; age about 25; 3 [illegible] agreement; second-class passage paid out; salary first year [illegible] second year £220, third year £240. Apply, with photo[illegible] references, to "R. L.," S. Maw, Son & Sons, 11 Alder[illegible] Street, E.C.

MONTREAL.—Wanted, by May 1, a thoroughly experi[illegible] and reliable Assistant; must be of good appearance [illegible] address, and possess first-class references; salary to com[illegible] $60 per month; applications not answered in 21 days [illegible] fully declined; photo if possible. Apply, Mr. E. Ruxton [illegible] c/o "Brysons," 184 Peel Street, Montreal.

SHANGHAI.—Qualified Assistant, about 23, required for [illegible] established English Chemists; four years' agreement; pa[illegible] paid out and home; terms (approximately) £180 first year, [illegible] annual advance of £24; furnished room and medical atten[illegible] provided. Apply, with full particulars, to 86/550, Office of [illegible] Paper.

CH AFRICA.—Old-established firm of London Wholesale and xport Druggists require experienced Representative for Africa; knowledge of Druggists' Sundries trade would be antage. Reply, stating age, experience, and usual particu- o "S. A.," c/o Street's, 30 Cornhill, E.C.

OMPETENT, qualified young Assistant can secure a valuable ppointment upon staff of most important Wholesale and Chemists in India; fine climate; full particulars will be o suitable men. Write, stating experience, age, etc., to sto," c/o Deacon's, Leadenhall Street, E.C.

ERTS & CO., 5 Rue de la Paix, Paris, have a vacancy r a qualified Assistant, with knowledge of French. Appli- should state age, height, experience, and salary required ors).

RT, unqualified, unmarried Assistant for Hill Station in dia; English climate; pay commencing at £140 per , with annual increment; free quarters; five years' agree- Write, fullest particulars, to "O. K. 48," c/o Deacon's, hall Street.

OLESALE Assistant required for South Africa; must have ad both Wet and Dry experience; unmarried; passage ut. Apply, by letter only, to "L.," 14 Lafone Street, Bridge, London, S.E.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

e **Advertiser** may, if preferred, have replies ssed to this Office, and forwarded on payment of an onal charge of **6d.**

[HOME.] RETAIL.

lists, trade circulars, samples, and printed matter can case be forwarded.

HEMIST, making a speciality of working up neglected siness, and of organising, rearranging, and remodelling is open after February; would undertake any *locum* work ajunction; catchy Window-dressing, on Continental and an styles; early intimation desired. For full particulars "Organiser" (217/37), Office of this Paper.

ISTANT or Branch Manager; 33; married; unqualified; 19 ars' best London and Provincial experience; Window-dress- hotography; immediate; seaside preferred; 6 years last "Lictor," 47 Whitby Road, Fallowfield, Manchester.

ISTANT requires berth in good quick Cash Retail business; years' experience; excellent references; abstainer. A. J. 51 Culloden Street, Poplar, E.

ISTANT, 10 years' experience, desires post with Doctor or stitution as Dispenser; permanency. 226/11, Office of aper.

ISTANT; outdoors; tall; married; disengaged; good refer- ces; London or seaside; West-End experience. 226/8, f this Paper.

ISTANT; disengaged; good Dispenser; used to N.H.I. work; ize Window-dresser, etc. 47 St. Donatts Road, S.E.

ABLE, energetic Managing Assistant for Drug Store or holesale and Retail; Agricultural, Dispensing, Photo, and l experience; tasty Window-dresser; good references from ast places. "Celeritas" (217/370), Office of this Paper.

NGAGED.—Locum or Help; excellent references; ab- stainer; 49; single; unregistered. "Expert," 73 St. ys, Uxbridge.

ENSER to Doctor; unqualified; 32; excellent references; aside preferred. Carroll, Stourport, Worcestershire.

ENSING; evenings; qualified; easy distance for "Cycle," Crown Road, Twickenham.

NING work wanted; Dispensing or Surgery Attendant. A.," 24 College Street, Chelsea.

ERIENCED Assistant; 29; disengaged; part-time con- dered. Webb, 36 Fitzroy Square, W.

EXPERIENCED Druggist (aged 23), who has been employed for 1¾ years in large German Pharmacy, and is at present in a Swiss Pharmacy, with good Pharmaceutical knowledge and good general experience of Office work, and having some knowledge of English and first-class references, requires situation for April 1 in Pharmacy, Druggist's, or Wholesale firm in England. Write to H. Wange, Niederurnen, Switzerland.

EXPERIENCED, qualified Manager desires position in or near London; wide experience; City and West End; used to control large staff. "Drugs," 144 Gleneagle Road, Streatham, S.W.

EXPERT Dispenser, Salesman; locum or permanency; reliable references. Forster, 5 Coleridge Road, Finsbury Park, N.

FRENCHMAN; young; in England four months; disengaged 14th; very small salary; good Dispenser. Apply, Hughes, 48 Fulham Road, South Kensington.

JUNIOR; 21; unqualified; Dispensing, Counter; permanency. "C.," 169 Fosse Road, N. Leicester.

JUNIOR; age 20; height 5 ft. 3 in.; used to quick Counter trade, Dispensing, and Photography; London preferred; out-doors. Kirk, 79 New Square, Chesterfield.

LADY (26), Bookkeeper, Typist, and Dispenser, educated, fluent French, some German, seeks employment. "E. C.," 26 St. Agnes Place, Kennington Park.

LADY seeks situation, Sheffield or district; Hall certificate; experience Dispensing and Bookkeeping. 225/1, Office of this Paper.

LOCUM; qualified; 48; disengaged; first-class references and experience. Dewey, 3 Helena Avenue, Margate.

LOCUM work (outdoor) wanted in London; qualified; middle-aged. 225/270, Office of this Paper.

LOCUM or permanent; qualified; good all-round experience, especially Dispensing; tall; 40. Longman, 229 Westminster Bridge Road, S.W.

MAJOR Pharmacist, 52, married, seeks engagement as Branch Manager or Traveller for good firm; good worker; absolutely trustworthy. 223/1, Office of this Paper.

MANAGER or Senior; qualified; 27; has good all-round experience, first-class references, and is well connected; West End or City preferred; good-class trade; outdoors. State hours, 201/1, Office of this Paper.

MANAGER; busy Branch; qualified; 40; abstainer; active, energetic, dependable—*vide* exemplary references. Kindly state salary offered for satisfactory service, hours, etc., to 228/34, Office of this Paper.

MANAGER (44); married; experienced; work up neglected branch, or locum; unregistered; disengaged. Address, "Reliable" (228/39), Office of this Paper.

MANCHESTER or Liverpool district.—Qualified; married; Assistant or Manager; with or without view to purchase; working-class not entertained, and salary not so much an object as reasonable hours. "Energy" (226/25), Office of this Paper.

NOTTINGHAM or near.—Thoroughly competent and well-recommended Assistant; age 27; height 6 ft.; disengaged shortly; salary 2 guineas weekly. Please give full particulars first letter to "Ability" (227/37), Office of this Paper.

PART-TIME Assistant wants situation near School of Pharmacy; age 23; state hours and salary; excellent references. Apply, "Alpha," Emlyn Office, Treorchy.

PART-TIME Dispenser; qualified; experienced; excellent references. Miss Kennedy, 3 Panmure Villas, Sydenham.

PHARMACIST (lady) requires engagement; London or near preferred. Shacklock, Clarendon Hotel, Clifton, Bristol.

QUALIFIED Assistant; London; part-time; Wednesday half-day and all Thursday off; excellent references. "Success," 164 Clapham Road, Clapham, S.W.

QUALIFIED, Manager or Senior, married, seeks permanency; 16 years' first-class experience. 223/22, Office of this Paper.

QUALIFIED Manager; good Counterman and Dispenser; middle-aged; references. "Jacobus," 5 Brighton Terrace, Horley.

QUALIFIED; 28; good Dispensing, Counter experience; Photography; reliable. "Pharmacist," 9 Spooner Road, Broomhill, Sheffield.

QUALIFIED; 26; abstainer; quick Dispenser; excellent references; good experience. 223/13, Office of this Paper.

QUALIFIED; Manager or Senior; 42; single; good experience; permanent; National Insurance Dispensing. 223/3, Office of this Paper.

QUALIFIED (41), single, desires change; abstainer; all-round experience; Managerships both Chemists and Stores; Dispensership preferred. State salary, "Extractor," 1 Robinson's Place, Woodbrook, Oldham.

QUALIFIED; as Manager or Locum; married; good experience. Burton, 18 Buckhurst Avenue, Sevenoaks.

QUALIFIED Manager (45), married, offers the efficiency of a wide town and country experience; has energy and enterprise; successful Prescriber; no objectionable habits; fullest investigations invited; well recommended; wishes to ensure a permanency; disengaged about the middle of February; £3 required. 227/12, Office of this Paper.

QUALIFIED; Locum, Branch, or Part-time. "Chemist," 34 Wornington Road, Westbourne Park, W.

QUALIFIED (23), tall, well educated, good Counterman, with thorough knowledge of Optics, desires position in good-class Retail and Dispensing; S.W. London preferred. Crofts, 133 Old Dover Road, Blackheath, S.E.

QUALIFIED; 25; disengaged; outdoors; London district; good-class provincial and London experience; Dispensing, Counter, Photography. Sprague, 11 Bradgate Road, Catford, London.

QUALIFIED Manager; 30; first-class Dispensing and Retail experience; Disengaged March. Ramage, 6 Minorca Road, Weybridge.

QUALIFIED Manager; good class; smart appearance; experienced in up-to-date Retail, high-class Dispensing, and N.H.I. "L.," 84 Huntley Street, W.C.

QUALIFIED; 24; gentlemanly; disengaged. "Pharmacist," 11 Hill Park Crescent, Plymouth.

QUALIFIED Manager; over 30; tall; good appearance; 17 years' varied experience; 10 in town. 227/15, Office of this Paper.

QUALIFIED; Managership (good permanent); middle-aged; married; furniture; first-class experience; excellent references. 225/27, Office of this Paper.

QUALIFIED (29), experienced, desires berth as Manager, with view to purchase. 225/2, Office of this Paper.

QUALIFIED Assistant; young; good all-round experience (except Photography); Manchester, Liverpool district preferred. 229/36, Office of this Paper.

QUALIFIED; Manager, Senior, or Locum; high-class London experience; good references; knowledge of French; middle-aged; disengaged Thursday; outdoors. Stanley, 147 Sulgrave Road, W.

QUALIFIED; disengaged; all-round experience. "Quercus," 53 Star Street, Paddington.

QUALIFIED; 27; Manager or Senior; highest-class West-End experience; capable Salesman and Dispenser; disengaged; outdoors. "Pushful" (229/32), Office of this Paper.

QUALIFIED Manager wishes position within 50 miles London; tall; abstainer; married (live on premises preferred); 10 years' reference. "Reliable" (229/23), Office of this Paper.

SOUTH COAST.—Pharmacy Assistant, unqualified; Dental and Optical experience; March; permanent. 226/19, Office of this Paper.

SHORT hours or part time; qualified. "Cremor," 11 Hill Park Crescent, Plymouth.

THOROUGHLY competent Assistant or Manager; excellent all-round experience; a business-builder and profit-maker; tall, energetic, and of good address; outdoors. "Prescriber," 12 Cowley Road, Oxford.

UNQUALIFIED; 33; married; 10 years present situation. "W.," 8 Colinfield, Wigan.

UNQUALIFIED; middle-aged; active, experienced; outdoors. "Alpha," 36 Chudleigh Road, Lewisham, S.E.

UNQUALIFIED; Manager; steady; Drug Store; or would purchase; small sum down. "B.," 21 Chiswick Road, Lower Edmonton, N.

UNQUALIFIED Assistant; town or country; disengag[illegible] good Dispenser, N.H.I., Extractor; Midlands, Y[illegible] 224/18, Office of this Paper.

UNQUALIFIED; experienced; good Counterman; [illegible] N.H.I., etc. Humphreys, c/o Francis & Co., [illegible] Wrexham.

UNQUALIFIED; reliable; abstainer; all-round [illegible] North preferred. Henderson, Main Street, Keswick.

UNQUALIFIED; 21; good-class experience Dispensing [illegible] and Photography; excellent references. 225/19, Office [illegible] Paper.

UNQUALIFIED; Assistant or Branch Manager; 34 [illegible] good all-round experience, Dispensing, Counter, Ph[illegible] disengaged. "H.," 41 St. James' Park, Tunbridge We[illegible]

UNQUALIFIED; as Assistant to Chemist or Manager of I[illegible] store; good all-round experience in Family busine[illegible] England; steady; abstainer; active and capable; excellent r[illegible] ences; 50; married. "R.," 29 Aberystwith Crescent, B[illegible] Glam.

UNQUALIFIED; tall; Counter, Dispensing, Photography, [illegible] East district preferred. "Flambeau," 85 Camden Road [illegible]

UNQUALIFIED; Assistant or Manager; Dispenser, Pres[illegible] Photography; Salesman and Window-dresser; marr[illegible] manency; well recommended by present employer. H[illegible] Gloucester Pharmacy, Gloucester.

UNQUALIFIED, Senior, 38, married, competent D[illegible] Photography, good Salesman, all-round experie[illegible] permanency; highest references; abstainer. "Energy," 53 [illegible] tock Street, Newquay, Cornwall.

UNQUALIFIED Assistant or Manager requires perman[illegible] Birmingham district; quick, accurate Dispenser; good C[illegible] terman and Window-dresser; Photographic experience. [illegible] Office of this Paper.

UNQUALIFIED Assistant; smart and tactful Counter[illegible] Window-dressing, Dispensing; with excellent ref[illegible] Apply, 225/14, Office of this Paper.

UNQUALIFIED Assistant; age 42; married; permanency [illegible] ferred; London; all-round experience; d[illegible] "W. T. P.," 395o Clapham Road, S.W.

UNQUALIFIED Assistant; Dispensing. Counter, or [illegible] "Statim," c/o Cullum, 604 Woolwich Road, Charl[illegible]

WHOLESALE.

Price lists, trade circulars, samples, and printed matter [illegible] in no case be forwarded.

ADVERTISER (36), good appearance, wants position of t[illegible] 8½ years' present position as Cashier, Bookkeeper, and [illegible] intending several branch shops; would travel; nominal s[illegible] fidelity guarantee; disengaged February 14 through business [illegible] being sold. "H.," 8 Chestnut Avenue, Middle Lane Horns[illegible]

ADVERTISING and Sales Manager.—Qualified Chemist [illegible] Copy-writer for one of the most successful Drug firms [illegible] Europe, seeks change; can develop and exploit new produc[illegible] build business rapidly on unhackneyed lines. "Locutt[illegible] 6 Florence Road, Ealing, W.

AMBITIOUS young man (23) desires post as Representat[illegible] Drugs or Sundries; salary and commission; Wholesale. Re[illegible] and Travelling experience; smart appearance. 229/15, Offic[illegible] this Paper.

CHEMIST'S Assistant requires post as Traveller; provincial [illegible] town; London and suburban experience. "Energet[illegible] (227/14), Office of this Paper.

MANAGER, Works Foreman, Manufacturing.—Advertiser, [illegible] 45, energetic, seeks re-engagement; 30 years' highest re[illegible] ences; detailed knowledge of formula and manipulation of h[illegible] class Medicinal and Toilet Preparations. "Medicus" (217[illegible] Office of this Paper.

POSITION wanted as Handy Man or Warehouseman; used [illegible] W. and D.; quick Packer and Labeller; excellent referen[illegible] "Veritas" (227/38), Office of this Paper.

ACTURING, Analytical, and Research Chemist desires ved position; he has not the qualification of the tical Society, and, excepting that of Honoursman, d Inorganic Chemistry, has no other academical dis- aving 20 years' practical experience, he is far better an the possession of such qualifications would indicate, prove a profitable investment in connection with any ing proposition; salary £200, with prospects; abroad ns encouraging. In confidence, 221/15, Office of this

or engagement next week; Warehouse and Despatch ence; many years' London and North; good references eeper; Home and Export work; Junior. "Yorkshire- 8/33), Office of this Paper.

IERY Manufacturer; competent and practical all hes of the trade; many years' experience. "M. A. B." Office of this Paper.

ACIST (33), who has relinquished his Retail business view to representing some good Wholesale house, desires ut; not afraid of work if good prospects. "Radix," force Road, Finsbury Park, London, N.

ACIST, 32 years, seeks position as Representative with firm. State terms, 223/220, Office of this Paper.

ETARY.—Gentleman, 30, requires position as Repre- tive for good house; personal connection in London, and Scotland; 4 years' experience; first-class refer- 2/36, Office of this Paper.

ETS.—First-class experience in Granulating, Compressing, -coating, and also Chocolate-coating; excellent refer- sengaged. "Tablets," 25 Ellington Street, Barnsbury,

LER, experienced, commercial training, smart salesman, to Represent first-class house; Essences, Oils, etc.; sound Mineral-water makers, Confectioners, etc. Apply, Office of this Paper.

LLER; experienced; South of England; expenses and aission; well known on ground. 217/17, Office of this

LLER, splendid seller, first-class references, wants extra good article; commission basis. Apply, 200/29, Office of a.

LLER; London area; good clientele; special lines pre- d. Hanson, 89 Camberwell Road, S.E.

LIFIED, energetic (26), wishes to Represent good Sun- or other house on commission and expenses; North strict. 226/17, Office of this Paper.

Room.—39; last situation, Chemical, Pill, and Fine g, 6 years; present 9 years First Wet Counter; also experience; smart labels and tickets; methodical Stock- nd organiser; desires change for prospects. 228/21, this Paper.

MISCELLANEOUS.

AM & TUCKNISS, Sharedealers, Bank Chambers, Black th, S.E. Established 1898. Telephone 81 Lee Green. for Sale (free of commission, subject).—25 Allenbury per cent. Preference, 23*s.* 7½*d.*; 180 Claudius Ash Old , 33*s.*; 200 J. C. & J. Field Preference, 11*s.* 1½*d.*; 110 6 per cent. Preference, 24*s.* 10½*d.*; 100 G. B. Kent Pre- 17*s.* 3*d.*; 150 Champion & Slee Preference, 19*s.* 6*d.*; zawattee Ordinary, 3*s.* 9*d.*; 50 Veno Drug, 24*s.*; 100 rdinary, 13*s.* 10½*d.* 1 (subject).—Camwal Preference and Debentures; 200 Drug Preference, 11*s.* 6*d.*; 100 Lewis & Burrows Prefer- 9*s.* 6*d.*; Veno Drug. f Shares for *Sale* and *Wanted* sent free on application ffort made to effect business for Buyers and Sellers in ks and Shares. Bankers, London County and Westminster.

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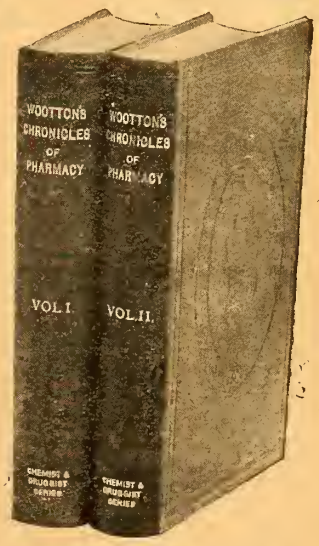

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COPY of the "Pharmaceutical Journal Diary" for 1908. Hogg, Hoveringham, Notts.

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POISONING FATALITIES

SEVEN deaths from poison have been recorded in the Winter Issue. Four fatalities were by misadventure; three of these presented especial interest to us from the point of view of the sale and dispensing of poisons.

Arsenic.—Benjamin Louis Rhein (60), dentist, American dentist, practising at Brompton Road, London, died from arsenic-poisoning in Brixton Prison. Rhein was in custody on a charge of alleged assault on a young lady patient while under anæsthesia.

Carbolic Acid.—At an inquiry at Twickenham into the death of Adelina Padgitt (35), lunatic, who died in a home, Dr. Fergusson said he prescribed a lotion from his own dispensary, a 4-oz. bottle carbolic lotion containing 1 drachm of carbolic acid to the ounce. The doctor admitted that it would have been better if it had been labelled poison, but at the time it was sufficient to put the lotion in the "blue" bottle used for lotions not for internal use. It was known the deceased was of suicidal tendency. The jury returned a verdict of "Suicide while of unsound mind," and that it was regrettable that information was not given to those in charge of the patient of the poisonous nature of the lotion. The Coroner agreed, but pointed out, on the other hand, that if the bottle had been labelled poison it would have been an indication to the patient to take it. He asked the doctor to caution his dispenser for the future. Carbolic acid killed John Robert Jones, gardener, Training College, Chester.

Laudanum.—Frederek Giles (58), farm labourer, died from taking this drug in mistake for whisky. An inquest at Norwich on Annie Maud Clark, 42, the deceased's cousin stated that on January 2 deceased take a dose of something from a bottle which she noticed later was labelled "Balsam of aniseed." Witness said her husband kept a retail drug-stores at 130 Oak Street, Norwich, and she served in the shop. Her husband was a "licensed druggist." He was not a qualified chemist, but was allowed to sell chemicals and drugs. Deceased on the evening had asked for some laudanum for a liniment. Witness showed her the quantity of a pennyworth, and said that was not sufficient. She thought she would have a pennyworth. Witness could not get that quantity into a small bottle, but nearly filled it, and took a farthing. She supplied the bottle. Deceased took the bottle from the counter, and on witness remarking "You had better have it labelled," answered, "No, that will be all right. I know what it is, I am going to use it directly." The Deputy Coroner (Mr. W. N. Ladell): "The law is, you should not sell laudanum without labelling the bottle."—"So I have been told." Deputy-Coroner (to witness): "She was not to take this, and if anybody had noticed a red label on the bottle she would have been prevented. That shows the importance of the Act. You have a liability, and it will be a matter for other people. Does your licence allow you to sell poison?"—"I think so." In answer to the Foreman of the jury, witness said she had sold poison ever since her husband had kept the shop. "Did you know her?"—"Yes." "I should not have served her if I had not known her." The Deputy-Coroner: "Do you keep a poison-book?"—"No." The Deputy-Coroner: "This matter must be inquired into. It is a serious matter for people to supply poisons in this fashion." Witness: "We have red labels, and I would have labelled ——" The Deputy-Coroner: "It ought not to have passed out of your hands until it was labelled. You ought not to have given her the bottle." Witness: "I sold it on the counter, and she took it, and would not give it back again." The Deputy-Coroner: "The bottle is labelled 'Balsam of aniseed'; anybody might have taken that to be up and taken its contents. It is a most careless way of supplying poisons." The jury found that deceased died from heart failure, following an overdose of laudanum inadvertently taken by herself. The Deputy-Coroner said, if the supply of the poison, that matter would no doubt receive the consideration of the police.

Morphine.—A joiner named Parker (52) died at Derby from accidental morphine-poisoning (see p. 36).

Strychnine in sugar-coated tablets were swallowed as sweets by Nora Lambourn (5) at Broughton, Manchester, with fatal result.

MR. CHARLES W. CARDOSA and MR. WILLIAM G. SER. of the packing department at the chief offices and warehouses of Messrs. Burroughs Wellcome & Co., having completed twenty-one years' service with the firm, the events have been recognised by the presentation of a mahogany clock to Mr. Cardosa and a silver watch to Mr. Sop.

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